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PLASMA DISPLAY SYSTEM PRO-1130HD PRO-930HD

ELITE

Register Your Product on www.pioneerelectronics.com (US) www.pioneerelectronics.ca (Canada)

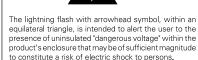
Operating Instructions













CAUTION: TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

NOTE TO CATV SYSTEM INSTALLER

THIS REMINDER IS PROVIDED TO CALL THE CATV SYSTEM INSTALLER'S ATTENTION TO ARTICLE 820-40 OF THE NEC THAT PROVIDES GUIDELINES FOR PROPER GROUNDING AND, IN PARTICULAR, SPECIFIES THAT THE CABLE GROUND SHALL BE CONNECTED TO THE GROUNDING SYSTEM OF THE BUILDING, AS CLOSE TO THE POINT OF CABLE ENTRY AS PRACTICAL. D1-4-2-8_EN

- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

This digital television is capable of receiving analog basic, digital basic and digital premium cable television programming by direct connection to a cable system providing such programming. A security card provided by your cable operator is required to view encrypted digital programming. Certain advanced and interactive digital cable services such as video-ondemand, a cable operator's enhanced program guide and data-enhanced television services may require the use of a set-top box. For more information call your local cable operator. **WARNING:** THE APPARATUS IS NOT WATERPROOFS, TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE AND DO NOT PUT ANY WATER SOURCE NEAR THIS APPARATUS, SUCH AS VASE, FLOWER POT, COSMETICS CONTAINER AND MEDICINE BOTTLE ETC.

WARNING: Handling the cord on this product or cords associated with accessories sold with the product will expose you to lead, a chemical known to the State of California and other governmental entities to cause cancer and birth defects or other reproductive harm. *Wash hands after handling*.

Information to User

Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

[For Canadian model]

This Class B digital apparatus complies with Canadian ICES-003.

WARNING: Be sure to plug this equipment into a grounding-type AC outlet.

FEDERAL COMMUNICATIONS COMMISSION DECLARATION OF CONFORMITY

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Product Name: Plasma Display System (Plasma Display) (Media Receiver)

Model Number: PRO-1130HD / PRO-930HD (PRO-506PU) / (PRO-436PU) (PRO-R06U) / (PRO-R06U)

Product Category: Class B Personal Computers & Peripherals

Responsible Party Name: PIONEER ELECTRONICS SERVICE, INC.

Address: 1925 E. DOMINGUEZ ST. LONG BEACH, CA 90801-1760, U.S.A.

Phone: 310-952-2915

For Business Customer URL

http://www.PioneerUSA.com

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

D8-10-1-2_En

CAUTION: This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections. **D8-10-3a_En**

IMPORTANT NOTICE – THE	SERIAL NUMBER FOR THIS EQUIPMENT IS LOCATED IN THE REAR.	
PLEA	ASE WRITE THIS SERIAL NUMBER ON YOUR ENCLOSED WARRANTY CARD AN	D
KEEF	P IN A SECURE AREA. THIS IS FOR YOUR SECURITY. D1-4-2-6-1_	En

Thank you for buying this Pioneer product.

Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.

In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However the method of connecting and operating the unit is the same.

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In order to obtain maximum enjoyment from this Pioneer PureVision PRO-1130HD/PRO-930HD Plasma Display System, please first read this information carefully.

With the Pioneer PureVision PRO-1130HD/PRO-930HD, you can be assured of a high quality Plasma Display System with long-life and high reliability. To achieve images of exceptional quality, this Pioneer Plasma Display System incorporates state-of-the-art design and construction, as well as very precise and highly advanced technology.

The Pioneer PureVision PRO-1130HD/PRO-930HD incorporates the latest in color filter technology – Direct Color Filter. This improves the color / picture reproduction of these models as compared to previous models. It also eliminates the need for a physical glass panel to be placed in front of the plasma panel, which furthers Pioneer's continued goal of reducing environmental waste in consumer electronics, now during the manufacturing process and in the future during the recycling process.

Over the course of its lifetime, the luminosity of the Pioneer PRO-1130HD/PRO-930HD Plasma Display System will diminish very slowly, such as with all phosphor-based screens (for example, a traditional tube-type television). To enjoy beautiful and bright images on your Pioneer Plasma Display System for many years to come, please carefully read and follow the usage guidelines below.

Usage guidelines

All phosphor-based screens (including conventional tube-type televisions) can be affected by displaying static images for a prolonged period. Plasma Display Systems are no exception to this rule. After-image and permanent effects on the screen can be avoided by taking some basic precautions. By following the recommendations listed below, you can ensure longer and satisfactory results from your plasma:

- Whenever possible, avoid frequently displaying the same image or virtually still moving pictures (e.g. closed-captioned images or video game images which have static portions).
- Avoid viewing the On Screen Display for extended periods, from a DVD player, VCR, and all other components.
- Do not leave the same picture freeze-framed or paused continuously over a long period of time, when using the still picture mode from a TV, VCR, DVD player or any other component.
- Images which have both very bright areas and very dark areas side by side should not be displayed for a prolonged period of time.
- When playing a game, the "GAME" mode setting within "AV Selection" is strongly recommended. However, please limit its use to less than 2 hours at a time.
- After playing a game, or displaying a PC image or any still image, it is best to view a normal moving picture in the "WIDE" or "FULL" screen setting for over 3 times longer than the previous still/moving image.
- After using the Plasma Display System, always switch the display to "STANDBY" mode.

Installation guidelines

The Pioneer PureVision PRO-1130HD/PRO-930HD Plasma Display System incorporates a very thin design. To ensure safety, please take the proper measures to mount or install the Plasma Display, in order to prevent the unit from tipping over in the event of vibration or accidental movement.

This product should be installed by using only parts and accessories designed by PIONEER. Use of accessories other than the PIONEER stand or installation bracket may result in instability, and could cause injury. For custom installation, please consult the dealer where the unit was purchased. To ensure correct installation, experienced and qualified experts must install the unit. PIONEER will not be held responsible for accident or damage caused by the use of parts and accessories manufactured by other companies.

To avoid malfunction and overheating when installing, make sure that the vents on the main unit are not blocked. To ensure proper heat emission:

- Distance the unit slightly from other equipment, walls, etc. For the minimum space required around the unit, see page 17.
- Do not fit the unit inside narrow spaces where ventilation is poor.
- Do not cover with a cloth, etc.
- Clean the vents on the sides and rear of the unit to remove dust build-up by using a vacuum cleaner set to its lowest suction setting.
- Do not place the product on a carpet or blanket.
- Do not leave the product tilted over except in the case of vertical installation of the Media Receiver.
- Do not invert the product.

Using the unit without proper ventilation may cause the internal temperature to rise, and could result in possible malfunction. When the surrounding or internal temperature exceeds a certain degree, the display will automatically power off in order to cool the internal electronics and prevent a hazardous occurrence.

Malfunction can be caused by many factors: inappropriate installation site, improper assembly/installation/mounting, improper operation of or modifications made to this product. However, PIONEER cannot be held responsible for accidents or malfunction caused by the above.

ΝΟΤΕ

The following are typical effects and characteristics of a phosphor-based matrix display and as such, are not covered by the manufacturer's limited warranties:

- Permanent residual images upon the phosphors of the panel.
- The existence of a minute number of inactive light cells.
- Panel generated sounds, examples: Fan motor noise, and electrical circuit humming / glass panel buzzing

01

PIONEER bears no responsibility for any damage arising from incorrect use of the product by you or other people, malfunctions when in use, other product related problems, and use of the product except in cases where the company must be liable.

Plasma Display protection function

When still images (such as photos and computer images) stay on the screen for an extended period of time, the screen will be slightly dimmed. This is because the protection function of the Plasma Display automatically adjusts the brightness to protect the screen when detecting still images; so this does not designate malfunction. The screen is dimmed when a still image is detected for about three minutes.

Information of pixel defect

Plasma screens display information using pixels. Pioneer plasma display panels contain a very large number of pixels. (Depending on the panel size; over 2.3 million pixels in case of a 43 inch display, over 2.9 million pixels in case of a 50 inch display, over 3.1 million pixels in case of a 61 inch display). All Pioneer display panels are manufactured using a very high level of ultra-precision technology and undergo individual quality control.

In rare cases, some pixels can be permanently switched off, or on, resulting in either a black or colored pixel permanently fixed on the screen.

This effect is common to all plasma displays because it is a consequence of the technology.

If the defective pixels are visible at a normal viewing distance of between 2.5 and 3.5 meters (8.2 and 11.5 feet) while viewing a normal broadcast (i.e. not a test card, still image or single color display) please contact the supplying dealer.

If, however, they can only be seen close up or during single color displays then this is considered normal for this technology.

Infrared rays

The Plasma Display releases infrared rays because of its characteristics. Depending on how the Plasma Display is in use, the remote controls of nearby equipment may be adversely affected or wireless headphones using infrared rays are interfered with by noise. If this is the case, place that equipment at a location where its remote control sensor is not affected.

Radio interference

While this product meets the required specifications, it emits a small amount of noise. If you place such equipment as an AM radio, personal computer, and VCR close to this product, that equipment may be interfered. If this happens, place that equipment far enough from this product.

Plasma Display driving sound

The screen of the Plasma Display is composed of extremely fine pixels and these pixels emit light according to received video signals. This principle may cause you to hear a buzz or electrical hum coming from the Plasma Display.

Also note that the rotation speed of the cooling fan motor increases when the ambient temperature of the Media Receiver becomes high. You may hear the sound of the fan motor at that time.

Do not attach such items as labels and tape to the product.

• This may result in the discoloration or scratch of the cabinet.

When not using the product for a long period of time

• If you do not use the product for a long period of time, the functions of the product may be adversely affected. Switch on and run the product occasionally.

Condensation

• Condensation may take place on the surface or inside of the product when the product is rapidly moved from a cold place to a warm place or just after a heater is switched on on a winter morning, for example. When condensation takes place, do not switch on the product until condensation disappears. Using the product with condensation may result in malfunction.

Cleaning the surface of the screen and the glossy surface of the front cabinet

- When cleaning the surface of the screen or the glossy surface of the front cabinet, gently wipe it with a dry soft cloth; the supplied cleaning cloth or other similar cloths (e.g., cotton and flannel). If you use a dusty or hard cloth or if you rub the screen hard, the surface of the product will be scratched.
- If you clean the surface of the screen with a wet cloth, water droplets on the surface may enter into the product, resulting in malfunction.

Cleaning the cabinet

- When cleaning the cabinet of this product, gently wipe it with a clean soft cloth (e.g., cotton and flannel). If you use a dusty or hard cloth or if you rub the cabinet hard, the surface of the cabinet will be scratched.
- The cabinet of this product is mostly composed of plastic. Do not use chemicals such as benzene or thinner to clean the cabinet. Using these chemicals may result in quality deterioration or coating removal.
- Do not expose the product to volatile gas or fluid such as pesticide. Do not bring the product in contact with rubber or vinyl products for a long period of time. The effect of plasticizer in the plastic may result in quality deterioration or coating removal.
- If you clean the surface of the cabinet with a wet cloth, water droplets on the surface may enter into the product, resulting in malfunction.

Handles at the rear of the Plasma Display

- Do not remove the handles from the rear of the Plasma Display.
- When moving the Plasma Display, ask another person for help and use the handles attached to the rear of the Plasma Display. Do not move the Plasma Display by holding only a single handle. Use the handles as shown.
- Do not use the handles to hang the product when installing or carrying the product, for example. Do not use the handles for the purpose of preventing the product from tilting over.

The video program that you watch may be high definition (HD) or standard definition (SD). This Plasma Display is designed to scale to each type of definition properly. If the video program's definition type changes while a menu window is displayed on the screen (for example: HD \rightarrow SD or SD \rightarrow HD), the menu size may temporarily shrink or enlarge until the scaling is completed. This may happen, for example, when you switch between television and an external digital video recorder (D-VHS), or when your recorded program switches between different definition types, while the on-screen menu is being shown.

If this happens, the menu will return to its normal size after two to three seconds. This action is normal, and does not indicate a problem with your Plasma Display system.

Panel sticking and after-image lag

• Displaying the same images such as still images for a long time may cause after-image lagging. This may occur in the following two cases.

1 After-image lagging due to remaining electric load

When image patterns with very high peak luminance are displayed more than 1 minute, after-image lagging may occur due to the remaining electric load. The after-images remaining on the screen will disappear when moving images are displayed. The time for the after-images to disappear depends on the luminance of the still images and the time they had been displayed.

2 After-image (lag image) due to burning

Avoid displaying the same image on the Plasma Display continuously over a long period of time. If the same image is displayed continuously for several hours, or for shorter periods of time over several days, a permanent after-image may remain on the screen due to burning of the fluorescent materials. Such images may become less noticeable if moving images are later displayed, but they will not disappear completely.

• The Energy save function can be set to help prevent damage from screen burning (see page 63).

About operations through i.LINK

PIONEER shall not always assure normal video/audio recording or playback when a D-VHS device is operated through i.LINK.

DO NOT PLACE THIS PRODUCT ON AN UNSTABLE CART, STAND, TRIPOD, BRACKET, OR TABLE. THE PRODUCT MAY FALL, CAUSING SERIOUS PERSONAL INJURY AND SERIOUS DAMAGE TO THE PRODUCT. USE ONLY WITH A CART, STAND, TRIPOD, BRACKET, OR TABLE RECOMMENDED BY THE MANUFACTURER, OR SOLD WITH THE PRODUCT. FOLLOW THE MANUFACTURER'S INSTRUCTIONS WHEN INSTALLING THE PRODUCT AND USE MOUNTING ACCESSORIES RECOMMENDED BY THE MANUFACTURER.

A PRODUCT AND CART COMBINATION SHOULD BE MOVED WITH THE CARE. QUICK STOPS, EXCESSIVE FORCE, AND UNEVEN SURFACES MAY CAUSE THE PRODUCT AND CART COMBINATION TO OVERTURN.



Electricity is used to perform many useful functions, but it can also cause personal injuries and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety. However, improper use can result in electric shock and/or fire. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of your product, please read the following precautions carefully before using the product.

- 1. Read instructions—All operating instructions must be read and understood before the product is operated.
- 2. Keep this manual in a safe place—These safety and operating instructions must be kept in a safe place for future reference.
- 3. Observe warnings—All warnings on the product and in the instructions must be observed closely.
- 4. Follow instructions—All operating instructions must be followed.
- 5. Cleaning—Unplug the power cord from the AC outlet before cleaning the product. To clean the product, use the supplied cleaning cloth or other soft cloth (e.g., cotton, flannel). Do not use liquid cleaners or aerosol cleaners.
- 6. Attachments—Do not use attachments not recommended by the manufacturer. Use of inadequate attachments can result in accidents.
- 7. Water and moisture—Do not use the product near water, such as bathtub, washbasin, kitchen sink and laundry tub, swimming pool and in a wet basement.
- 8. Stand—Do not place the product on an unstable cart, stand, tripod or table. Placing the product on an unstable base can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the manufacturer.
- 9. When relocating the product placed on a cart, it must be moved with utmost care. Sudden stops, excessive force and uneven floor surface can cause the product to fall from the cart.



- 10. Ventilation—The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product is not designed for built-in installation; do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.
- 11. Power source—This product must operate on a power source specified on the specification label. If you are not sure of the type of power supply used in your home, consult your dealer or local power company.
- Power cord protection—The power cords must be routed properly to prevent people from stepping on them or objects from resting on them. Check the cords at the plugs and product.

- 13. The plasma Display used in this product is made of glass. Therefore, it can break when the product is dropped or applied with impact. Be careful not to be injured by broken glass pieces in case the plasma Display breaks.
- 14. Overloading—Do not overload AC outlets or extension cords. Overloading can cause fire or electric shock.
- 15. Entering of objects and liquids—Never insert an object into the product through vents or openings. High voltage flows in the product, and inserting an object can cause electric shock and/or short internal parts. For the same reason, do not spill water or liquid on the product.
- 16. Servicing—Do not attempt to service the product yourself. Removing covers can expose you to high voltage and other dangerous conditions. Request a qualified service person to perform servicing.
- 17. Repair—If any of the following conditions occurs, unplug the power cord from the AC outlet, and request a qualified service person to perform repairs.
- a. When the power cord or plug is damaged.
- b. When a liquid was spilled on the product or when objects have fallen into the product.
- c. When the product has been exposed to rain or water.
- d. When the product does not operate properly as described in the operating instructions.

Do not touch the controls other than those described in the operating instructions. Improper adjustment of controls not described in the instructions can cause damage, which often requires extensive adjustment work by a qualified technician.

- e. When the product has been dropped or damaged.
- f. When the product displays an abnormal condition. Any noticeable abnormality in the product indicates that the product needs servicing.
- 18. Replacement parts—In case the product needs replacement parts, make sure that the service person uses replacement parts specified by the manufacturer, or those with the same characteristics and performance as the original parts. Use of unauthorized parts can result in fire, electric shock and/or other danger.
- 19. Safety checks—Upon completion of service or repair work, request the service technician to perform safety checks to ensure that the product is in proper operating condition.
- 20. Wall or ceiling mounting—When mounting the product on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer.
- Heat sources—Keep the product away from heat sources such as radiators, heaters, stoves and other heatgenerating products (including amplifiers).
- 22. Unplug the power cord from the AC outlet before installing the speakers.
- 23. Never expose the screen of the Plasma Display to a strong impact, for example, by hitting it. The screen may be broken, resulting in fire or personal injury.
- 24. Do not expose the Plasma Display to direct sunlight for a long period of time. The optical characteristics of the front protection panel changes, resulting in discoloration or warp.
- 25. The Plasma Display weighs about 31.8 kg (70.1 lbs.) for the PRO-506PU and about 25.8 kg (56.9 lbs.) for the PRO-436PU. Because it has small depth and is unstable, unpack, carry, and install the product with one more person at least and use the handles.

Safety Precautions

Installation Precautions

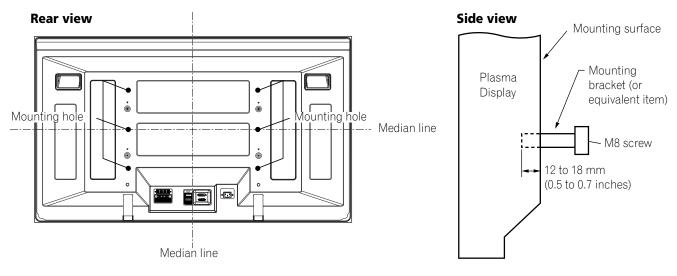
Observe the following precautions when installing with any items such as the optional stand.

When using the optional stand, brackets, or equivalent items

- Ask your dealer to perform the installation.
- Be sure to use the supplied bolts.
- For details, see the instruction manual that comes with the optional stand (or equivalent items).

When using other items

- Consult your dealer.
- The following six mounting holes can be used for the installation:



- Be sure to use four or more mounting holes symmetrical to the vertical and horizontal median lines.
- Use M8 screws, which go 12 to 18 mm (0.5 to 0.7 inches) in depth from the mounting surface of the Plasma Display. See the side view above.
- Be careful not to block the ventilation opening at the rear of the Plasma Display.
- Be sure to install the Plasma Display on a flat surface because it contains glass.
- The screw holes other than the above are to be used only for the specified products. Never use them for mounting non-specified products.
- Do not mount or remove the Plasma Display to or from the stand, with speakers attached.

ΝΟΤΕ

- It is strongly recommended to use the optional PIONEER mounting products.
- PIONEER shall not be liable for any personal injury or product damage that results from the use of mounting items other than the optional PIONEER products.

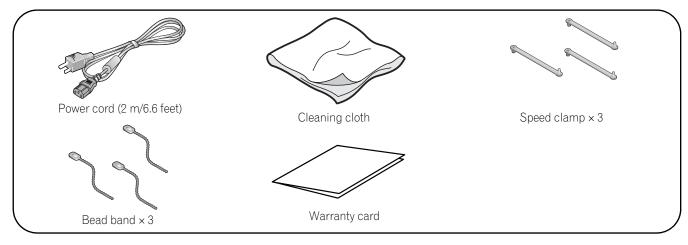
02

Identifying the main units Use the following table to check that you have received the correct Media Receiver and Plasma Receiver models.

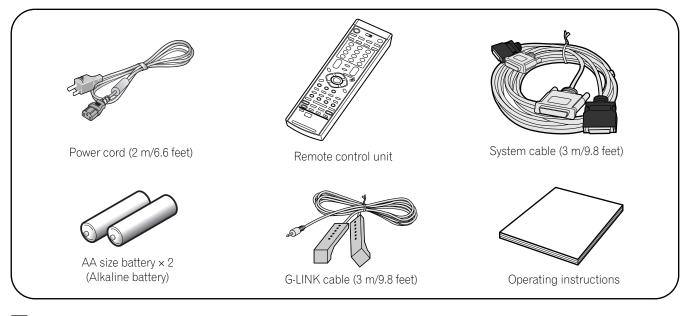
Model Name of the Entire Plasma	Model Name of the Main Unit		
Display System	Media Receiver	Plasma Display	
PRO-1130HD	PRO-R06U	PRO-506PU	
PRO-930HD		PRO-436PU	

The speakers are available as options.

Plasma Display



Media Receiver



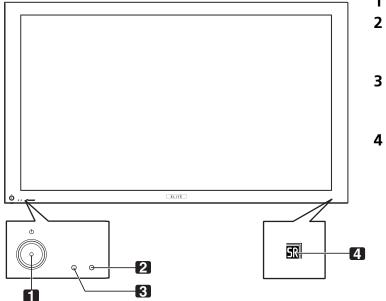
NOTE /4

• Always use the power cord supplied with the Plasma Display and the one supplied with the Media Receiver for each respective unit.

Part Names

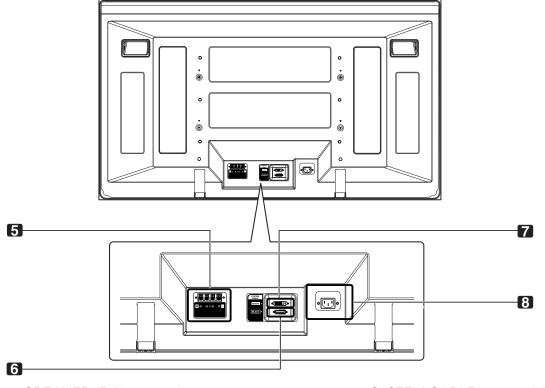
Plasma Display

Front view



- 1 () POWER button
- 2 STANDBY indicator Lights red when the unit is in standby mode. (page 25)
- **3** POWER ON indicator Lights blue when the Plasma Display is operating. (page 25)
- 4 Remote control sensor

Rear view

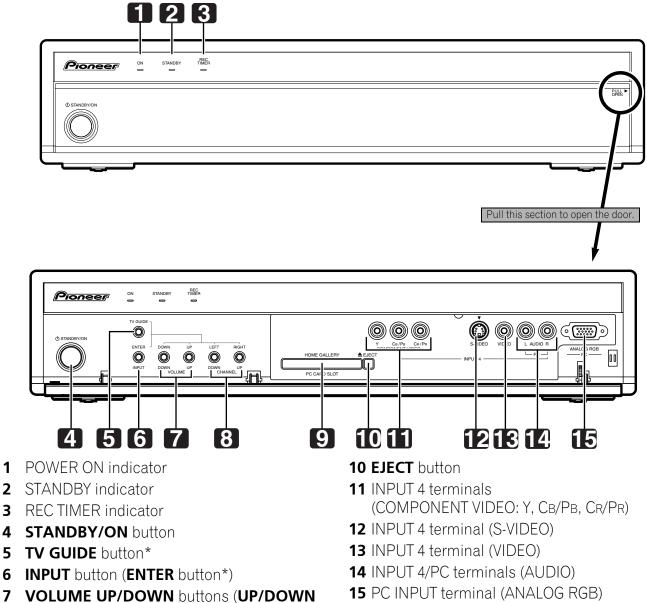


5 SPEAKER (R/L) terminals

- 6 SYSTEM CABLE terminal (BLACK)
- 7 SYSTEM CABLE terminal (WHITE)
- 8 AC IN terminal

Media Receiver

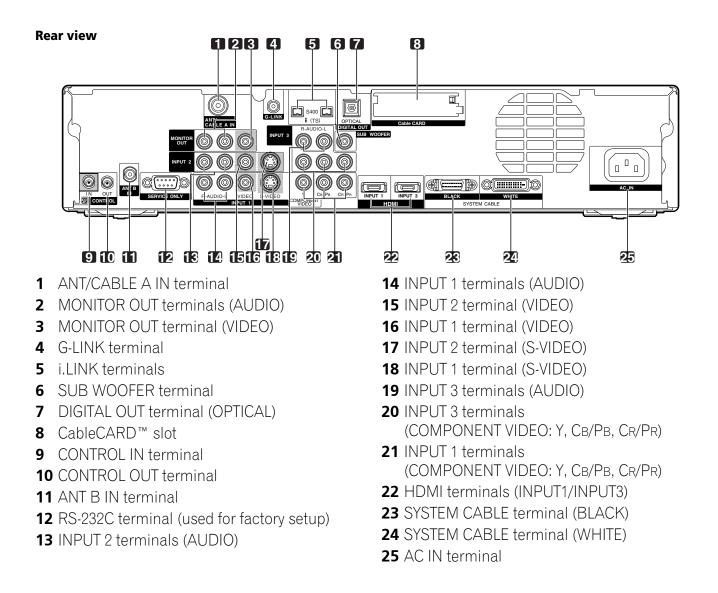
Front view



- buttons*)
 8 CHANNEL UP/DOWN buttons (LEFT/
 - **RIGHT** buttons*)
- 9 PC CARD slot

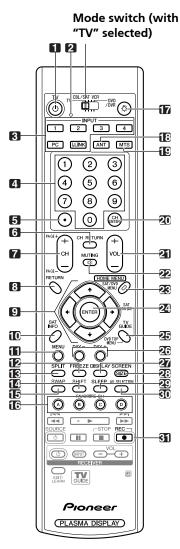
The buttons with asterisks (*) can operate the TV Guide On Screen $^{\scriptscriptstyle\rm M}$ system.

Part Names



Remote control unit

This section describes the functions of the buttons available when the mode switch has been set to TV. For the buttons for controlling other equipment, see "Using the remote control unit to control other devices" starting from page 84.



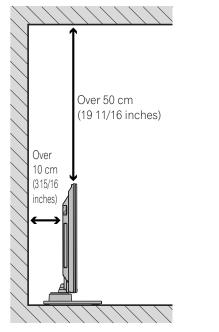
- 1 **TV** (): Turns on the power to the Plasma Display or places it into standby mode.
- 2 Transmission confirmation LED
- 3 INPUT: Selects an input source of the Plasma Display. (INPUT 1, INPUT 2, INPUT 3, INPUT 4, PC, i.LINK)
- **4 0 9**: Selects the channel.
- **5** •(dot): Enters a dot.
- 6 CH RETURN: Returns to the previous channel. This button is disabled while the TV Guide On Screen[™] system is displayed.
- 7 CH +/-: Selects the channel.
 PAGE +/- (for the TV Guide On Screen[™] system): Scrolls the program listing screen vertically.
- **8 RETURN**: Returns to the previous menu screen.
- 9 ↑/ ↓/ ↓/ ÷: Selects a desired item on the menu screen.

- 10 INFO: Displays a channel banner when a TV program is being watched. When the TV Guide On Screen[™] system is in operation, displays information about the currently highlighted channel (if available).
- 11 MENU: Displays a panel menu in the TV Guide On Screen[™] system.
- **12 FREEZE**: Freezes a frame from a moving image. Press again to cancel the function.
- **13 SPLIT**: Switches the screen mode among 2-screen, picture-in-picture, and single-screen.
- **14 SHIFT**: Moves the location of the small screen when in the picture-in-picture mode.
- **15 SWAP**: Switches between the two screens when in the 2-screen or picture-in-picture mode.
- 16 FAVORITE CH (A, B, C, D): Selects any of the four preset channels. See page 43 for details to set the FAVORITE CH. While watching, you can toggle the set channels by pressing A, B, C and D.
- 17 ☆: When pressed, all buttons on the remote control unit will light. The lighting will turn off if no operations are performed within about 5 seconds. This button is used for performing operations in dark places.
- **18 ANT**: Selects the antenna (A, B). See pages 20 and 21 for details.
- **19 MTS**: Selects the MTS/SAP.
- 20 CH ENTER: Executes a channel number.
- **21 VOL +/-**: Sets the volume.
- **22** 🛪 **MUTING**: Mutes the sound.
- 23 HOME MENU: Displays the Home Menu screen.
- **24 ENTER**: Executes a command.
- 25 TV GUIDE: Displays the TV Guide On Screen[™] system.
- 26 DAY +/-: Jumps to the next or previous day of program listings in the TV Guide On Screen[™] Listing service.
- **27 DISPLAY**: Displays the channel information.
- **28 SCREEN SIZE**: Selects the screen size.
- **29 SLEEP**: Sets the sleep timer.
- **30 AV SELECTION**: Selects audio and video settings. (AV mode: STANDARD, DYNAMIC, MOVIE, GAME, USER, PURE. PC mode: STANDARD, USER.)
- GREC): When using the TV Guide On Screen™ System, starts recording with a connected VCR or D-VHS recorder.

🖉 NOTE

- When using the remote control unit, point it at the Plasma Display.
- See pages 82 to 88 for operating buttons not listed on this page.

Installing the Plasma Display



Location

- Avoid direct sunlight. Maintain adequate ventilation.
- The length of the system cable used to connect the Plasma Display and the Media Receiver is about 3 m (9.8 feet).
- Because the Plasma Display is heavy, be sure to have someone help you when moving it.

• If you place anything on the top of the Media Receiver, it will not receive enough ventilation and will not operate properly.

🕖 ΝΟΤΕ

• Allow enough space around the upper and back parts when installing to ensure adequate ventilation of the rear of the unit.

Using the optional PIONEER stand

For details on installation, refer to the instruction manual supplied with the stand.

• This product can be used only with the optional PDK-1013 stand. Using other stands can result in instability, possibly causing injury.

Using the optional PIONEER speakers

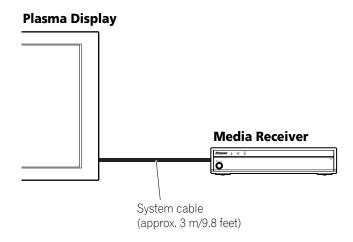
For details on installation, refer to the instruction manual supplied with the speaker.



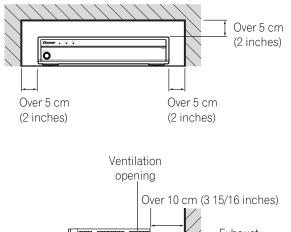
Operating Environment

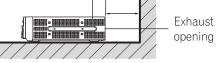
Operating environment temperature and humidity: +0 °C to +40 °C (+32 °F to +104 °F), less than 85 %RH (cooling vents not blocked) Do not install this unit in a poorly ventilated area, or in locations exposed to high humidity or direct sunlight (or strong artificial light)

Installing the Media Receiver



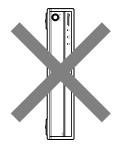
- Do not place a VCR or any other device on the top of the Media Receiver.
- When installing, allow enough space on the sides and above the Media Receiver.
- Do not block the side ventilation opening or the rear exhaust opening of the Media Receiver.







Placing the Media Receiver in the vertical position can result in product damage and malfunction.



Preventing the Plasma Display from Falling Over

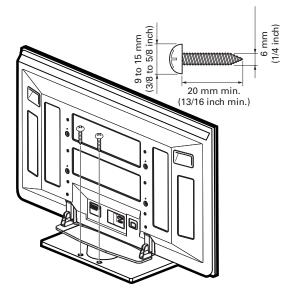
After installing the stand, be sure to take special care to ensure that the Plasma Display will not fall over.

Stabilizing on a table or floor

Stabilize the Plasma Display as shown in the diagram using screws that are available on the market.

🖉 NOTE

To stabilize the Plasma Display on a table or on the floor, use screws that have a nominal diameter of 6 mm (1/4 inch) and that are at least 20 mm (13/16 inch) long.





A table or an area of the floor with adequate strength should always be used to support the Plasma Display. Failure to do so could result in personal injury and physical damage.

When installing the Plasma Display, please take the necessary safety measures to prevent it from falling or overturning in case of emergencies, such as earthquakes, or of accidents.

If you do not take these precautions, the Plasma Display could fall down and cause injury.

The screws, hooks, chains and other fittings that you use to secure the Plasma Display to prevent it from overturning will vary according to the composition and thickness of the surface to which it will be attached.

Select the appropriate screws, hooks, chains, and other fittings after first inspecting the surface carefully to determine its thickness and composition and after consulting a professional installer if necessary.

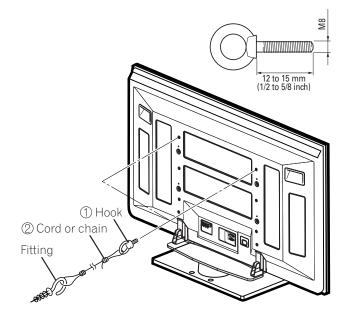
Using a wall for stabilization

- 1. Attach fall-prevention bolts (hooks) to the Plasma Display.
- Use strong cords or chains to stabilize it appropriately and firmly to a wall, pillar, or other sturdy element.
- Perform this work in the same way on the left and right sides.

🖉 NOTE

Use hooks, ropes, chains, and fittings that are available on the market.

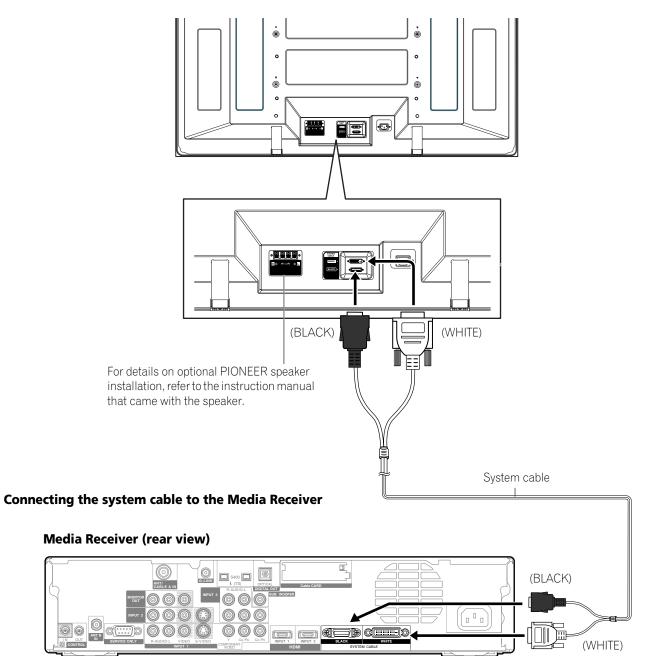
Recommended hook: Nominal diameter 8 mm (3/8 inch) Length 12 to 15 mm (1/2 to 5/8 inch)



Connecting the system cable

Connecting the system cable to the Plasma Display

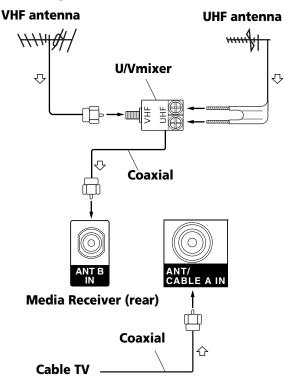
Plasma Display (rear view)



Cable connections for watching digital and/or conventional TV channels

This system is equipped with two terminals for inputting TV broadcasting signals: ANT/CABLE A IN and ANT B IN. The ANT/CABLE A IN terminal accepts both digital and conventional TV broadcasting signals while the ANT B IN terminal accepts only conventional TV broadcasting signals. When using cable TV to watch digital and/or conventional TV channels, connect to the ANT/CABLE A IN terminal as shown. In addition, you may connect an antenna to the ANT B IN terminal as shown; use an outdoor antenna to enjoy clearer pictures. If your outdoor antenna uses a 75-ohm coaxial cable with an F-type connector, plug it into the antenna terminal at the rear of the Media Receiver.

Connecting VHF/UHF antennas and a Cable



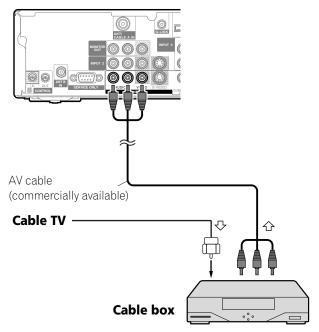
💋 ΝΟΤΕ

- Be sure to connect coaxial cables as shown above. Signal reception may fail if not properly connected.
- In order to watch cable TV channels, be sure to connect the cable to the ANT/CABLE A IN terminal.
- The ANT/CABLE A IN and ANT B IN terminals must not receive the same signals. For example, do not connect a cable from a cable TV to both the ANT/CABLE A IN and ANT B IN terminals. Similarly, do not connect a cable from an antenna to both the ANT/CABLE A IN and ANT B IN terminals.

Connecting a Cable box

Use the INPUT 1 terminals to connect a Cable box.

Media Receiver (rear)



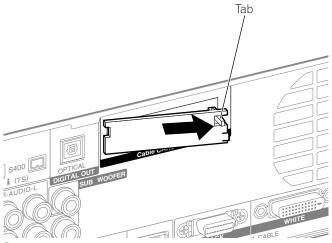
🖉 NOTE

- You can also connect to the INPUT 1 S-VIDEO terminal instead of the INPUT 1 VIDEO terminal; use a commercially available S-Video cable.
- If using a Cable box that supports digital TV channels and has an RF output terminal, you can connect that terminal to the ANT/CABLE A IN terminal using a commercially available coaxial cable.
- When connecting a Cable box to the INPUT 1 terminal, be careful not to loop the cable.

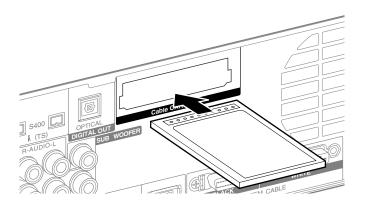
Inserting the CableCARD™

The Media Receiver is equipped with a slot for inserting a CableCARD[™]. When you are watching digital and/or High Definition TV channels over cable, the card allows you to use the POD service provided by the cable TV company; the POD stands for Point of Deployment. This service presents various types of useful information, using HTML text.

- 1 Confirm that the ANT/CABLE A IN terminal has been connected with the coaxial cable from the Cable Converter. See page 20.
- 2 Hold the tab of the slot cover on the rear of the Media Receiver, and remove the cover while releasing the tab's latch.



3 Insert the specified CableCARD[™] into the Cable CARD slot as far as it goes.



💋 ΝΟΤΕ

- Be sure to insert only the specified CableCARD™.
- Do not insert a PC card.
- When you use a CableCARD[™], you need not execute Auto Channel Preset; the CableCARD[™] automatically generates a cable channel list.

Switching between antenna A and B

To watch broadcasts via the two antennas, you can select it by pressing **ANT** on the remote control unit.

- While watching a broadcast, press **ANT** to view the image received from the other antenna.
- Pressing ANT while watching in the 2-screen mode (TV image and video image) with TV selected will display the TV image of the other antenna.
- Pressing **ANT** while watching in the 2-screen mode with two TV images displayed will not have any effect.

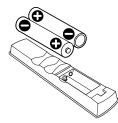
Preparing the remote control unit

Inserting batteries

1 Open the battery cover.



2 Load the supplied two AA size batteries while inserting their respective negative polarity (–) ends first.



- The battery polarities must correspond with the (+) and (-) indicators in the battery compartment.
- **3** Close the battery cover.



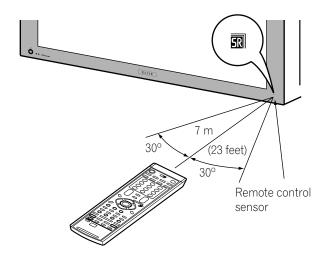
Cautions regarding batteries

- The remote control unit cannot operate the system if the batteries in the unit are weak. When this happens, replace the batteries with new ones.
- When you replace the batteries, use alkaline ones. Do not use manganese batteries.
- Do not mix batteries of different types. Different types of batteries have different characteristics.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries or cause chemical leakage in old batteries.
- Do not leave dead batteries in the remote control unit; chemical leakage will occur. If you find any chemical leakage, wipe thoroughly with a cloth.
- The batteries supplied with this product may have a shorter life expectancy due to storage conditions.
- If you will not use the remote control unit for an extended period of time, remove the batteries from it.

• WHEN DISPOSING OF USED BATTERIES, BE SURE TO COMPLY WITH GOVERNMENT REGULATIONS AND ENVIRONMENTAL PROTECTION GUIDELINES THAT APPLY IN YOUR COUNTRY OR AREA.

Allowed operation range of the remote control unit

Operate the remote control unit while pointing it toward the remote control sensor located at the bottom right of the front panel of the Plasma Display. The distance from the remote control sensor must be within 7 m (23 feet) and the angle relative to the sensor must be within 30 degrees in the right or left direction.



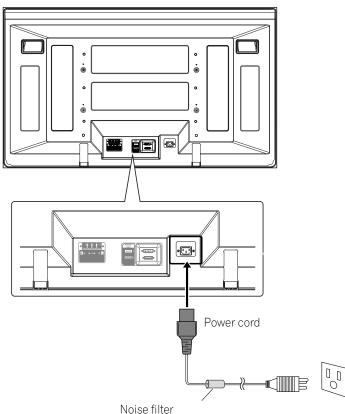
Cautions regarding the remote control unit

- Do not expose the remote control unit to shock, liquid, or high humidity.
- Do not place the remote control unit under direct sunlight; the unit may deform.
- The remote control unit may not work properly if the remote sensor window of the Plasma Display is under direct sunlight or strong lighting. In such case, change the angle of the lighting or Plasma Display, or operate the remote control unit closer to the remote sensor window.
- When any obstacle exists between the remote control unit and the remote control sensor, the remote control unit may not function.
- As the batteries become weak, the remote control unit can function within a shorter distance from the remote control sensor. Replace the batteries with new ones if necessary.
- The Plasma Display emits very weak infrared rays from its screen. If you place such equipment operated through infrared remote control as a VCR nearby, that equipment may not receive commands from its remote control unit properly or entirely. If this is the case, place that equipment at a location far enough from the Plasma Display.
- Depending on the installation environment, infrared rays from the Plasma Display may not allow this system to properly receive commands from the remote control unit or may shorten allowable distances between the remote control unit and the remote control sensor. The strength of infrared rays emitted from the screen differs, depending on images displayed on the screen.

Connecting the power cord

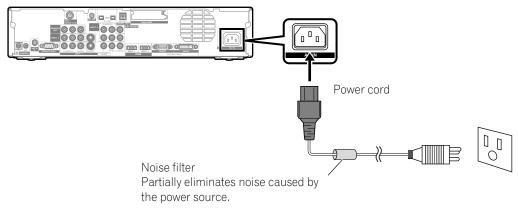
Connect the power cord after all component connections have been completed.

Plasma Display (rear view)



Partially eliminates noise caused by the power source.

Media Receiver (rear view)



- Use only the supplied power cord.
- Be sure to use the specified power supply voltage; neglecting this can result in fire or electric shock.
- For the Plasma Display System, a three-core power cord with a ground terminal is used for efficient protection. Always connect the power cord to a three-pronged outlet and make sure that the cord is properly grounded.

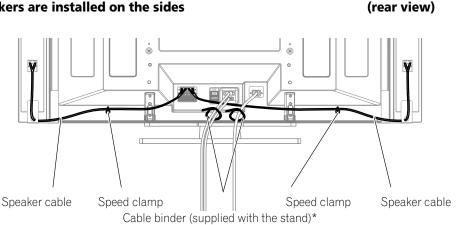
🖉 NOTE

- Always turn off the power of the Plasma Display and Media Receiver when connecting or disconnecting power cords.
- Disconnect the power cord from the power outlet when the Plasma Display System is not going to be used for a long period of time.

Routing cables

Speed clamps and bead bands are supplied for bunching cables. Once properly bunched, follow the steps below to route the cables.

When the speakers are installed on the sides



Attaching speed clamps to the main unit

Attach the speed clamps using the 2 holes marked with below, depending on your routing system.

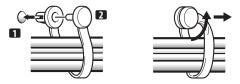


Attaching and removing speed clamps

Insert [1] into an appropriate hole on the rear of the Plasma Display and snap [2] into the back of [1] to lock the clamp.

Speed clamps are designed to be difficult to undo once in place. Please attach them carefully.

Use pliers to twist the clamp 90°, pulling outward. The clamp may deteriorate over time and become damaged if removed.



NOTE

• Use the supplied bead bands as necessary.

* Cable binder

Using the cable binders supplied with the stand, put the speaker and system cables together so that the cables are invisible from the front. At that time be careful not to apply any force to the connection sections of the cables.

Turning on the power (Standby)

- 1 Press () on the Plasma Display if the STANDBY indicator is off.
 - The STANDBY indicator on the Plasma Display lights up red.
- Confirm that the STANDBY indicators light up red, and then press TV () on the remote control unit or STANDBY/ON on the Media Receiver to turn the system on.
 - The POWER ON indicators on the Plasma Display and Media Receiver light up blue.

🖉 NOTE

• In this manual, "system" means the Plasma Display Panel and Media Receiver.

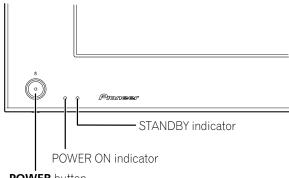
Turning off the power (Standby)

- 1 Press TV ⊕ on the remote control unit or STANDBY/ON on the Media Receiver.
 - The system enters the standby mode and the image on the screen disappears.
 - Both STANDBY indicators light up red.
 - This will allow the system to automatically receive digital TV program information while in the standby mode.

🖉 NOTE

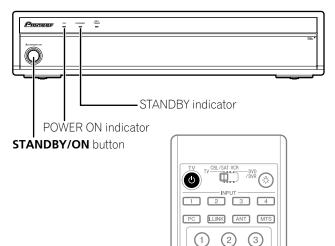
• If you are not going to use this system for a long period of time, press **POWER** on the Plasma Display and remove both power cord from the power outlet.

Plasma Display



POWER button

Media Receiver



Plasma Display/Media Receiver status indicators

The table below shows the operational status of the Plasma Display System. You can check the current status of the system with the indicators on the Plasma Display and Media Receiver.

	Indicate	or Status		System Status	
Plasma Display		Media Receiver			
POWER ON	STANDBY	POWER ON	STANDBY		
•	•	•	•	The power cords of both the Plasma Display and the Media Receiver have been disconnected. Or, the power cord of the Plasma Display has been connected but the POWER button of the Plasma Display is off.	
÷.	•	*	•	Power to the system is on.	
٠	*	•	*	The system is in the standby mode.	
•	نې Flashing	•	•	The power cord of the Media Receiver has been disconnected.	
•	•	•	ب Flashing	Power to the Plasma Display is off. Or the power cord of the Plasma Display has been disconnected.	

For other than the above, see "Troubleshooting" on page 89.

Watching TV channels

Unless you set up TV channels that you can watch under the current conditions, you cannot tune in those channels. For the procedure, see "Setting up TV channels" on page 38.

NOTE

 When watching a digital TV program, you may see emergency alert messages scrolling at the top of the screen. Those messages are broadcasted by TV stations as necessary when in emergency situations.

Selecting the antenna

After confirming that the Mode switch on the remote control unit has been set to "TV", press ANT on the remote control unit to select antenna A or B.

• Make this selection depending on the connections to the antenna input terminals on the Media Receiver (page 20).

Changing channels

To increase the channel number, press **CH** + on the remote control unit. To decrease the channel number, press **CH** –.

- CHANNEL UP/DOWN on the Media Receiver operates the same as CH +/- on the remote control unit.
- Press CH RETURN to switch the currently tuned channel to the previously tuned channel.
 Press CH RETURN again to restore the currently tuned

channel.

Using 0 – 9 and • (dot) on the remote control unit

Select channels directly by pressing buttons ${\bf 0}$ to ${\bf 9}.$ To select subchannels, also use the ${\bf \bullet}$ (dot) button.

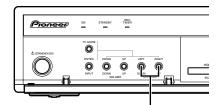
EXAMPLE

- To select channel 5 (1-digit channel), press 5.
- To select channel 25 (2-digit channel), press 2 then 5.
- To select channel 125 (3-digit channel), press 1, 2, then 5.
- To select subchannel 10.01, press 1, 0, (dot), 0, then 1.
- To select subchannel 10.001 (for cable TV), press 1, 0,
 (dot), 0, 0, then 1.

🖉 NOTE

- After entering a channel or subchannel number, you may press **CH ENTER** to tune in the channel more quickly.
- Each time you change a channel, a channel banner appears that shows information about the currently selected channel. To clear the channel banner, press **INFO**.
- If you do not setup the TV Guide On Screen[™] system, the channel banner may not display certain types of program information.

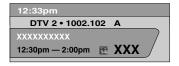
Media Receiver (front view)



CHANNEL UP/DOWN



Channel banner



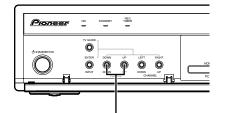
Changing the volume and sound

To increase the volume, press **VOL +** on the remote control unit. To decrease the volume, press **VOL –**.

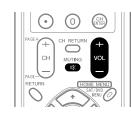
- VOLUME UP/DOWN on the Media Receiver operates the same as VOL +/- on the remote control unit.
- To mute the sound output, press MUTING. "^(*) " appears on the screen. To quit muting, press MUTING again. Pressing VOL + also quits muting.

Media Receiver

(front view)



VOLUME UP/DOWN



Volume adjustment display



Muting display



Changing the language

If you have selected a digital TV program that provides multilanguage services, you can switch among the languages by pressing **MTS** on the remote control unit.



Each time you press **MTS**, the language switches.

💋 NOTE

- Switchable languages differ depending on the current broadcast.
- If the language selected through language setting is available when the channel or program is changed, you will hear that language.
- If you are watching a digital TV program without sound or language information, "N/A" appears on the screen. With a language other than English, French, and Spanish are selected, "Others" will appear.

Setting MTS/SAP mode

When watching conventional TV programs, you may enjoy stereo sound and/or Secondary Audio Programs (SAP), using the Multi-channel Television Sound (MTS) function.

Stereo broadcasts

You can enjoy, for example, sports, shows, and concerts in dynamic stereo sound.

• SAP broadcasts

MAIN sound: The normal program soundtrack (either in mono or stereo).

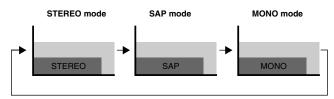
SAP sound: Listen to second language, supplementary commentary and other information. (SAP is mono sound.)

💋 NOTE

- Conventional TV channels in this manual designate TV channels that are received through the conventional VHF/ UHF frequencies or conventional cable TV channels.
- When stereo sound is difficult to hear, you may manually switch to the MONO mode to obtain clearer sound.
- Once the MONO mode is selected, the Plasma Display System sound remains mono even if the system receives a stereo broadcast. You must reselect the STEREO mode if you want to hear stereo sound again.
- Selecting MTS while the input source is INPUT 1 to 4 or PC does not change the type of sound. In this case, sound is determined by the video source.



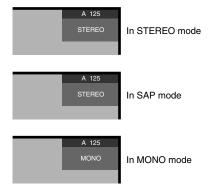
Each time you press MTS, MTS toggles as shown below.



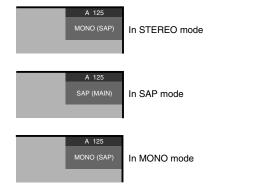
MOTE

- The MTS button is disabled while the TV Guide On Screen[™] system is displayed.
- In each of the MTS/SAP modes selected, the display changes depend on broadcast signals being received.

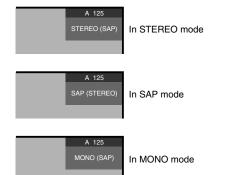
When receiving STEREO sound signals



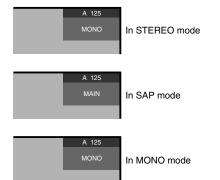
When receiving MONO + SAP sound signals



When receiving STEREO + SAP sound signals

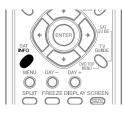


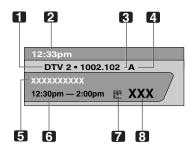
When receiving MONO sound signals



Viewing a channel banner

While watching a TV program, pressing **INFO** causes the following banner to appear. Pressing **INFO** again causes the banner to disappear.





- 1 Station name
- 2 Current time
- 3 Channel number
- 4 Input (Ant. A or Ant. B)
- 5 Program title
- 6 Program time schedule
- 7 TV rating icon
- 8 Channel logo

💋 NOTE

- The above information is not displayed if not included in broadcast signals.
- If you do not setup the TV Guide On Screen[™] system, the channel banner may not display certain types of program information.

Using the POD service

If you have watched digital and/or High Definition TV channels over cable, you can use the POD service provided by the cable TV company. This service presents various types of useful information, using HTML text.



Press HOME MENU, 9, 9, then 9 to view the POD display.

Using the multiscreen functions

Splitting the screen

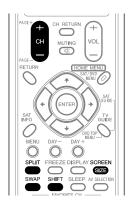
Use the following procedure to select the 2-screen or picturein-picture mode.

2-screen



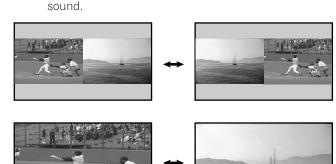
Picture-in-picture



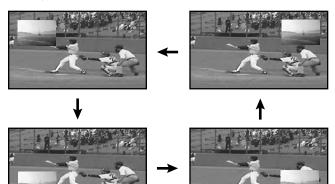


- **1** Press **SPLIT** to select the display mode.
 - Each time you press **SPLIT**, the display mode is switched among 2-screen, picture-in-picture, and single-screen.

 In 2-screen or picture-in-picture mode, press SWAP to switch the position of the 2 screens shown.
 Left screen is the active screen which will be indicated by ")". The user is allowed to operate picture and



- In 2-screen mode, press **SCREEN SIZE** to change the size of the left screen.
- In picture-in-picture mode, press **SHIFT** to move the position of the small screen in anti-clockwise.



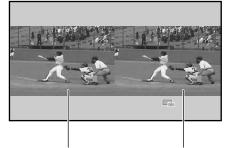
- 2 To select the desired input source, press the appropriate input source button.
 - If watching TV programs, press CH +/- to change the channel.

🖉 NOTE

- The SPLIT button is disabled while the TV Guide On Screen[™] system is displayed.
- The multiscreen function cannot display images from the same input source or two external input sources at the same time. If you make such an attempt, a warning message appears.
- When you press **HOME MENU**, the single-screen mode is restored and the corresponding menu is displayed.
- When the two screens show the same analog broadcasting coming through antenna A and B, the picture quality may differ between the two screens.

Freezing images

Use the following procedure to capture and freeze one frame from a moving image that you are watching.



Moving image

Still image



1 Press FREEZE.

1 2

- A still image appears on the right screen while a moving image is shown on the left screen.
- 2 Press **FREEZE** again to cancel the function.

NOTE

- With the screen split, any image cannot be frozen.
- When you try to use this function when it is not available, a warning message appears.
- Image FREEZE is canceled automatically if you do not perform any operation for five minutes.

About the TV Guide On Screen[™] system

The TV Guide On Screen [™] system is a free, interactive onscreen television program guide. The system offers program listings, searching by keyword, timer recording, reminders and more. The TV Guide On Screen [™] system is a convenient way to find out what's on right now or during the coming week, by channel or by genre. It also allows you to automatically set your viewing and recording selections quickly and easily.

Before you can start using the TV Guide On Screen™ system, you'll need to set it up.

Legal Notices

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💋 ΝΟΤΕ

- The TV Guide On Screen[™] interactive program guide provides listings for cable-ready, cable box, and digital cable services as well as over-the-air broadcast. It does not provide listings for satellite services.
- Depending on the current settings and selected items, the order of the setup screens may differ from the one given in this manual. Follow the instructions shown on the screens.

Setting up the TV Guide On Screen™ system

When the Plasma Display System is powered on for the very first time, you are automatically taken through the setup process. Immediately thereafter the TV Guide On Screen™ setup process begins, starting with the Welcome Screen. Setup may be accessed from the initial Setup reminder screens, or by pressing TV GUIDE for a device in which TV Guide On Screen™ has not yet been setup.



- Once you set up the TV Guide On Screen[™] system it may take up to 24 hours to begin to receive TV program listings. Receipt of all eight days of listings may take up to one week (see Screen 14).
- If you connect a cable box through the TV Guide On Screen™ system you should leave the cable box On and the TV Off in order to receive updated TV program listings (see Screen 23).

Welcome Screen

Initial TV set up leads you to the Welcome screen.

Or press TV GUIDE to begin setup.

- The Welcome Screen lists features in the Guide.
- Press ENTER to display Screen 1 (shown on page 32).



Reminder Screen

If you previously skipped Guide setup, you see the Reminder Screen when you power on your TV.

To make a selection, press \bigstar/\bigstar to highlight to an option, and press **ENTER**.

- "Set up TV Guide On Screen now" displays Screen 1.
- "Remind me to set it up later" returns you to watching TV.
- "Don't remind me again" returns you to watching TV and stops the reminder screen from appearing upon power on.

GUIDE	Reminder Your Receiver is equipped with the TV Guide On Screen TM Interactive Program Guide, which provides program listings, one-touch recording, and more — all subscription FRE1 Please follow the on-screen setup instructions to enable your TV Guide On Screen system now. Or, press the GUIDE key on your Receiver remote at any time.	
	What would you like to do now? Set up TV Guide On Screen now Remind me to set it up later Don't remind me again	
	Using your Receiver remote, move up or down to highlight your answer. Press Enter to choose.	

💋 NOTE

If you decide not to set up the Guide now, this reminder screen will appear each time you power on the TV (except if you selected "Don't remind me again").

System Setup Screens

ΝΟΤΕ

• Once you start the setup procedure, you cannot return to the previous screens. If you realize you entered incorrect information, continue with setup. The last screen of the procedure gives you the opportunity to correct any mistakes before you exit setup.

Screen 1: Country

- This screen asks you the location of your TV.
- Press \mathbf{A}/\mathbf{V} to highlight a country.
- Press ENTER to display Screen 2.

TV	STEP 1: Identifying Your Location	
GUIDE	To supply your Receiver with correct program listings, the TV Guide On Screen system needs to know your Receiver's location.	
	Which country is your Receiver located in?	
	USA	
	Canada	
	Using your Receiver remote, move up or down to highlight your answer. Press Enter	
	to choose.	

Screen 2: Enter ZIP or Postal Code

- If you selected USA in Screen 1, you see the ZIP Code screen.
- You input numbers by either
 - pressing the number keys or
- Press ENTER to display Screen 3.

	STEP 1: Identifying Your Location	
GUIDE	To supply your Receiver with the correct program listings, the TV Guide On Screen system needs to know the town or city where your Receiver is installed.	
	Please enter the 5-digit ZIP code where your Receiver is located:	
	(<u> </u>	
	Using your Receiver remote, move up, down, left or right to enter your information.	
	Press Enter to confirm.	

- If you selected Canada in Screen 1, you see the Postal Code screen.
- Press ENTER to display Screen 3.

GUIDE	SUDE SUDE To supply your Receiver with the correct program listings, the TV Guide On Screen system needs to know the town or city where your Receiver is installed.			
	Please enter the 5-digit ZIP code where your Receiver is located: 9 2 0 3 7			
	Using your Receiver remote, move up, down, left or right to enter your information. Press Enter to confirm.			

0

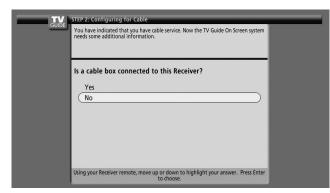
Screen 3: Do you have Cable?

- If you select "Yes", you see Screen 4.
- If you select "No", you see Screen 12.



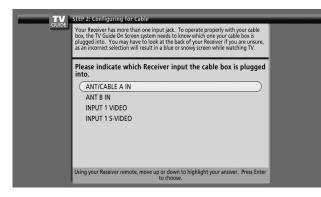
Screen 4: Do you have a Cable Box?

- If you select "Yes", you see Screen 5.
- If you select "No", you see Screen 12.



Screen 5: Which TV Guide input is the cable box plugged into?

- If you select Cable, you see Screen 6.
- If you make any other choice, you see Screen 7.



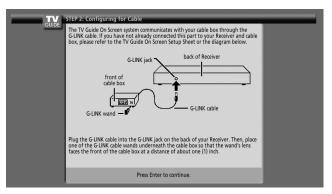
Screen 6: Cable Box Output Channel

- Select the channel used for the cable box.
- Press ENTER to display Screen 7.

GUBE	STEP 2: Configuring for Cable To operate properly with your cable box, the TV Guide On Screen system needs to know the channel your Receiver is on when using the cable box. The most commonly used output channel is 03. Please considiry our cable provider if you are unsure, as an incorrect selection will result in a blue or snowy screen while watching TV. What is your Receiver tuned to when using the cable box? Ch 2 Ch 3 Ch 4	
	Using your Receiver remote, move up or down to highlight your answer. Press Enter to choose.	

Screen 7: Cable Box Configuration Diagram

- The diagram shows the correct way to install the G-LINK cable from the back of the device to the cable box. Make sure the G-LINK cable is properly installed.
- Press ENTER to display Screen 8.



Screen 8: Cable Box Brand Name

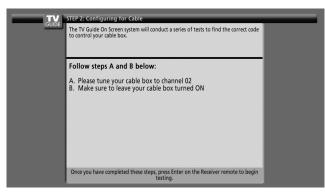
- Press \neq/\downarrow to select a cable box brand.
- Press ENTER to display Screen 9.

TV	STEP 2: Configuring for Cable
GUIDE	Selecting the correct cable box brand from the list is needed to automatically receive program listings. If you do not know the cable box brand, please consult your cable provider.
	What brand of cable box is connected to this Receiver?
	Not Listed
	Archer
	Cable Cinema
	Cabletenna
	Using your Receiver remote, move up or down through the list to find your brand (move down for more brands). Press Enter to choose.

TV Guide On Screen™ System Setup

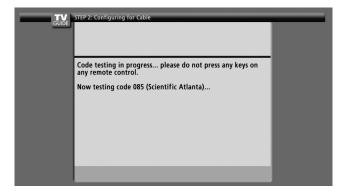
Screen 9: Cable Box Preparation

• Follow the on-screen instructions, and press **ENTER** to display Screen 10.



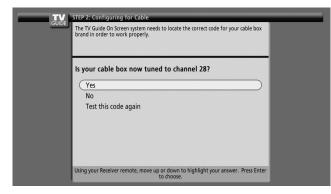
Screen 10: Cable Box Code Testing

• When testing is done, Screen 11 displays automatically.



Screen 11: Cable Box Tuned to Channel 28?

- If you select "Yes", you see Screen 12.
- If you select "No", a different code is tested in Screen 10.



🖉 NOTE

Many Cable Boxes require testing more than one code.

If you select "Test this code again", the same code is tested again in Screen 10.

Screen 12: Do you have an antenna connected?

If you select "Yes", you see Screen 13.

TV	STEP 3: Configuring for Antenna	
GUIDE	To supply your Receiver with correct program listings, the TV Guide On Screen system needs to know if you have attached an antenna to your Receiver to receive over-the-air stations.	
	Do you have an antenna connected to your Receiver? Yes No	
	Using your Receiver remote, move up or down to highlight your answer. Press Enter to choose.	

🖉 NOTE

If you selected "No" in Screen 3 then you must select "Yes" in this screen to receive a channel lineup and listings.

• If you select "No", you see Screen 13.

If you select "Yes", depending on your setup configuration, you may see an additional screen. After that screen, you see Screen 13.

Screen 13: Are the settings correct?

- If you select "Yes", you see Screen 14.
- If you select "No", you see Screen 1.

TV	Confirm Your Settings	
GUIĐE	You have entered the following TV Guide On Screen system settings. If any setting is marked INCOMPLET, you will not be able to use that feature until you complete that the setting of TV Guide Desensystem setup. 2017 Oct. 2017 (USA) Antenna on input "ANT B IN" Cable on input "ANT/CABLE A IN"	
	Are the above settings correct?	
	Yes, finish setup process	
	No, repeat setup process	
	Using your Receiver remote, move up or down to highlight your answer. Press Enter to choose.	

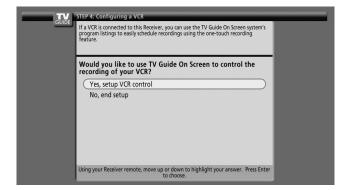
Screen 14: Congratulations

• Press ENTER to display Screen 15.



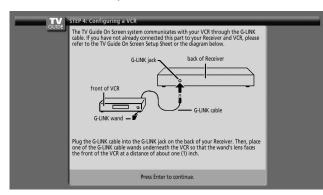
Screen 15: Is a VCR Connected?

- If you select "Yes", you see Screen 16.
- If you select "No", you see Screen 21.



Screen 16: VCR Configuration Diagram

- This screen shows the correct way to install the G-LINK cable from the back of the device to the recording device. Make sure the G-LINK cable is properly installed.
- Press ENTER, and you see Screen 17.



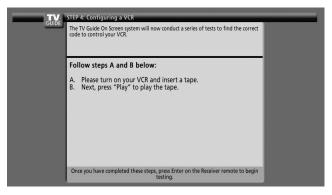
Screen 17: VCR Brand Name

- Press \mathbf{A}/\mathbf{V} to select the brand of the recording device.
- Press ENTER, and you see Screen 18.

GUIDE	STEP 4: Configuring a VCR To operate properly with your VCR, the TV Guide On Screen system needs to know what brand of VCR is connected to your Receiver. An incorrect brand selection may result in program recording errors.	
	What brand of VCR is connected to this Receiver? Not Listed Admiral	
	Adventura Aiwa	
	Using your Receiver remote, move up or down through the list to find your brand (move down for more brands). Press Enter to choose.	

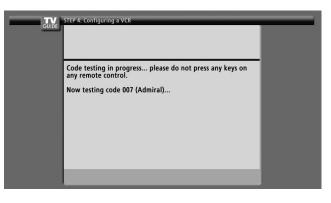
Screen 18: VCR Preparation

 Follow the on-screen instructions, and press ENTER to display Screen 19.



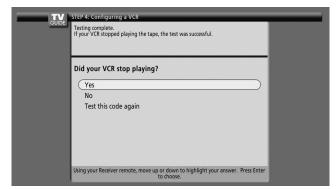
Screen 19: VCR Code Testing

• When testing is done, Screen 20 displays automatically.



07

Screen 20: Did your VCR stop playing?



- If you select "Yes", you see Screen 21.
- If you select "No", a different code is tested in Screen 19.

🖉 NOTE

Many VCRs require testing more than one code. If you select "Test this code again", the same code is tested again in Screen 19.

Screen 21: Confirming Your Settings

Verify the Setup information is correct.

- If it is, select "Yes, end setup", and you see Screen 22.
- If it is not, select "No, repeat setup process", and you see Screen 1.

GUIDE	Confirm Your Settings You have entered the following TV Guide On Screen system settings. If any setting is marked INCOMPLETE, you will not be able to use that feature until you complete the setting of the setting of the setting of the setting IP code - 9037 (USA) Antenna on input "ANT C NI" Cable on input "ANTC ABLE A IN" VCR — code 007 (Admiral)	
	Are the above settings correct?	
	(Yes, end setup	
	No, repeat setup process	
	Using your Receiver remote, move up or down to highlight your answer. Press Enter to choose.	

Screen 22: Congratulations

- You have successfully completed Setup!
- Press ENTER and you see Screen 23.

Congratulations!	_
You have completed the setup of your TV Guide On Screen system. Up-to-date listings will begin loading over the next 24 hours when your Receiver is powered off. It may take more than one day for all eight days of listings to update. During this period feel free to use your Receiver. The guide will automatically receive updates during the period when your Receiver is turned off. If you have changed the location or cable configuration settings, you will receive any changes to your local channel lineup within 24 hours.	
Press Enter to continue.	

Screen 23: Helpful Information

- This screen tells you valuable information on using your Guide.
- Press ENTER to watch TV.

	Helpful Information	
COIDE	 To receive your channel lineup and program listings, your VCR and Receiver should be turned OFF overnight. 	
	2. To view program listings, press the GUIDE key on your Receiver remote.	
	 Before recording to your VCR, put a tape in your VCR, tune the VCR to the LINE input, then turn the VCR OFF. 	
	 You must redo TV Guide On Screen system setup if you: Move your Receiver to a new ZIP or postal code Cancel cable service or connect a cable box to this Receiver Change your VCR brand or model 	
	To enter the TV Guide On Screen system setup, press the GUIDE key, then go to the Menu Bar and highlight Setup.	
	Press Enter to continue.	

Menu Configuration

AV mode menus

Home Menu	Item	Page
Picture	AV Selection	58
	Contrast	59
	Brightness	59
	Color	59
	Tint	59
	Sharpness	59
	Pro Adjust	59
	Reset	59

Sound	Treble	62
	Bass	62
	Balance	62
	Reset	62
	FOCUS	63
	Front Surround	63

Power Control	Energy Save	63
	No Signal off	63
	No Operation off	64

Sleep Timer	- <u></u>	58

Option	Position	64
	Auto Size	66
	4:3 Mode	66
	Side Mask	67
	HDMI Input	69, 70
	Monitor Out	70, 71
	Digital Audio Out	72
	Language	67

Tuner Setup	Parental Control	39 - 43
	Favorites	43
	Channel Setup	38
	Closed Captions	43 – 45
	i.LINK Setup	73 – 74
	Clock	45
Home Gallery		79 – 81

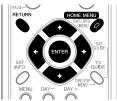
PC mode menus

Home Menu	Item	Page
Picture	AV Selection	58
	Contrast	59
	Brightness	59
	Red	59
	Green	59
	Blue	59
	Reset	59
Sound	Treble	62
	Bass	62
	Balance	62
	Reset	62
	FOCUS	63
	Front Surround	63
		·
Power Control	Energy Save	63
	Power Management	64
Sleep Timer		58

Option	Auto Setup	64
	Manual Setup	65

Menu operations

The following describes the typical procedure for setting up the menus. For the actual procedures, see the appropriate pages that describe individual functions.



- 1 Press HOME MENU
- **2** Press \neq/ \neq to select a menu item, and then press **ENTER**.
- **3** Repeat step 2 until you access the desired submenu item.
 - The number of menu layers differs depending on the menu items.
 - If you select "Tuner Setup", a menu bar appears at the bottom of the screen. To select a submenu item on the bar, press ←/→ instead of ←/↓.
- 4 Press ←/→ to select an option (or parameter), and then press ENTER.
 - For some menu items, press \bigstar/\clubsuit instead of \bigstar/\clubsuit .
- **5** Press **HOME MENU** to exit the menu.

🖉 NOTE

• You can return to the upper menu levels by pressing **RETURN**.

09

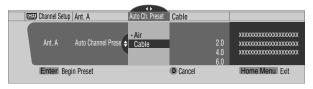
Setting up TV channels

This section describes how to search and set up TV channels that you can watch under the current conditions. Unless you set up TV channels using Auto Channel Preset, you may not be able to tune in those channels.

Using Auto Channel Preset

Auto Channel Preset automatically searches and sets up TV channels.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- 3 Select "Channel Setup". (←/→ then ENTER)
- 4 Select "Ant. A" or "Ant. B". (↑/↓ then ENTER)
- 5 Select "Auto Channel Preset". (↑/↓ then ENTER)
- 6 Select "Air" or "Cable". (↑/↓ then ENTER)



• Channel search automatically starts.

Channel Setup	Ant. A	Auto Ch. Preset	Cable	
Ant. A	Auto Channel Preset	• Cable 🔶	One Moment Please	x0000000000000000000000000000000000000
	🔘 Car	ncel	I	Home Menu Exit

- To quit Auto Channel Preset halfway, press D.
- 7 After Auto Channel Preset has been finished, press **HOME MENU** to exit the menu.

💋 NOTE

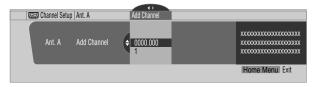
- When using the Cable Converter, you may need to manually add Cable Converter output channels.
- When an inserted CableCARD[™] is functioning, you cannot execute Auto Channel Preset.

Setting up TV channels manually

This section describes how to manually set up TV channels that have not been set up by Auto Channel Preset.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- **3** Select "Channel Setup". (←/→ then ENTER)
- 4 Select "Ant. A" or "Ant. B". (↑/↓ then ENTER)

- 5 Select "Add Channel". (↑/↓ then ENTER)
- 6 Select a channel number to be added. (4/4 then ENTER)
 - You can also use buttons 0 9 to enter a channel number.



- After **ENTER** has been pressed, a confirmation screen appears.
- 7 Press A to complete the setup process.
- 8 Press HOME MENU to exit the menu.

Checking signal strength

When you have selected antenna A, you can check the current channel's signal strength. You may use this function when receiving a channel through a VHF/UHF antenna.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- 3 Select "Channel Setup". (←/→ then ENTER)
- 4 Select "Ant. A". (**↑**/**↓** then **ENTER**)
- **5** Select "Signal Strength". (\uparrow/\downarrow then **ENTER**)

		Maximum: 100	
Ant. A Sigr	nal Strength	Current: 100	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
			Home Menu Exit

- Adjust the direction of the antenna so that the current signal strength reaches as close to the maximum signal strength as possible.
- 6 Press HOME MENU to exit the menu.

🖉 NOTE

- This function is available only when receiving digital broadcasting signals over air.
- When you use the TV Guide On Screen[™] system with a cable service, select "Cable" for "Auto Channel Preset".
- Executing more than one scan for cables will result in broadcasting reception failures.
- When you have connected the RF output terminal of a settop box to the ANT/CABLE A IN or ANT B IN terminal, select "Cable" for "Auto Channel Preset" to scan for the IN terminal.

Checking the CableCARD™ ID

The Media Receiver has a slot for a CableCARD[™] that is used for managing your information by the cable TV company. You will locate the CableCARD[™] slot on the rear of the Media Receiver. The following procedure allows you to check your CableCARD[™] ID and the Host ID.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- 3 Select "Channel Setup". (←/→ then ENTER)
- 4 Select "POD ID". (↑/↓)
 - The Host ID and CableCARD[™] ID appear.
- 5 Press HOME MENU to exit the menu.

Parental Control

With the Parental Control, parents can prevent their children from watching inappropriate TV programs, VCR or DVD contents. When an attempt is made to watch a program (or content) blocked by parents, the Plasma Display shows nothing but a message. The Parental Control functions for both conventional and digital TV channels.

In the U.S. three rating systems have been provided: the TV ratings, TV Parental Guidelines, and movie ratings. Movie ratings are provided by the Motion Picture Association of America (MPAA) and are used for original movies not edited for television.

For the rating system in Canada, see pages 41 and 42.

💋 NOTE

- In the U.S. TV Parental Guideline Rating System, programs with a rating of "None" may be blocked on this product. Examples of programs with a "None" rating include:
 - Emergency Bulletins (such as EAS messages, weather warning and others)
 - · Locally originated programming
 - News
 - Political
 - Public Service Announcements
 - Religious
 - Sports
 - Weather

Voluntary movie rating system (MPAA)

	Rating	Description
	N/A	Not applicable for MPAA ratings
	G	General audiences. All ages admitted.
	PG	Parental guidance suggested. Some material may not be suitable for children.
Age-Base	PG-13	Parents strongly cautioned. Some material may be inappropriate for children under 13.
	R	Restricted. Under 17 requires accompanying parent or adult guardian (age varies in some jurisdictions).
	NC-17	No one 17 and under admitted.
	NR	Not rated.

💋 NOTE

• The voluntary movie rating system only uses an age-based rating.

TV ratings

	Rating	Description
	TV-Y	All children
	TV-Y7	Children 7 and above
Age-Base	TV-G	General audiences
Age base	TV-PG	Parental guidance suggested
	TV-14	Parents strongly cautioned
	TV-MA	Mature audiences only

🖉 NOTE

• The system also allows you to select "None", which blocks programs with a rating of "None". For the examples of such programs, see "NOTE" on the left column on this page.

Changing the password

Using a password prevents other persons from changing Parental Control settings. A default password (1234) has been set before shipment. Use the following procedure to change the password.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- 3 Select "Parental Control". (←/→ then ENTER)
- 4 Select "Password". (↑/↓ then ENTER)
- 5 Select "Change Password". (↑/↓ then ENTER)

Decoword		
Passworu		
Change Password Clear Password		X0000000000000000000000000000000000000
		Home Menu Exit
	Password Change Password	Password Change Password

- 6 Enter the current 4-digit password, using buttons 0 9.
- Enter a 4-digit password to be newly set, using buttons 0 –
 9.
- 8 Enter the same password that you have entered in step 7.A confirmation screen appears.
- 9 Press A.
- **10** Press **HOME MENU** to exit the menu.

🖉 ΝΟΤΕ

• Take note of the newly set password and keep it handy.

Clearing the password

Use the following procedure to clear the password.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- 3 Select "Parental Control". (←/→ then ENTER)
- 4 Select "Password". (↑/↓ then ENTER)
- 5 Select "Clear Password". (↑/↓ then ENTER)



- 6 Enter the current 4-digit password, using buttons 0 9.
 A confirmation screen appears.
- 7 Press A.
- 8 Press HOME MENU to exit the menu.

💋 NOTE

• The above procedure will reset the password to the factory default (1234).

Activating the Parental Control

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (♠/♦ then ENTER)
- 3 Select "Parental Control". (←/→ then ENTER)
- 4 Select "Status". (♠/♦ then ENTER)
- 5 Select "On". (♠/✦ then ENTER)
 - The password entry screen appears. Enter your 4-digit password using buttons 0 – 9.
- 6 Press HOME MENU to exit the menu.

Setting the voluntary movie rating system (MPAA)

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- 3 Select "Parental Control". (←/→ then ENTER)
- 4 Select "MPAA Ratings". (♠/♦ then ENTER)

5 Select the desired rating and change the setting. (↑/↓ then ENTER)



- The password entry screen appears. Enter your 4-digit password using buttons **0 9**.
- Each time you press **ENTER**, the setting is switched.
- A lock icon appears beside the blocked rating.
- All the ratings have been unblocked before shipment.
- 6 Press HOME MENU to exit the menu.

💋 NOTE

 Blocking a rating causes more severe ratings to be automatically blocked as well. Likewise, unblocking a rating causes less severe ratings to be automatically unblocked.

Setting the TV ratings

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- 3 Select "Parental Control". (←/→ then ENTER)
- 4 Select "TV Ratings". (↑/↓ then ENTER)
- 5 Select the desired rating and change the setting. (↑/↓ then ENTER)

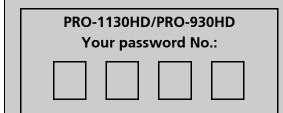
🔒 Parental Control	TV Ratings		
TV Ratings	TV-None TV-Y TV-Y TV-G TV-PG	Blocked TV Ratings	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
			Home Menu Exit

- The password entry screen appears. Enter your 4-digit password using buttons 0 – 9.
- Each time you press **ENTER**, the setting is switched.
- A lock icon appears beside the blocked rating.
- All the ratings have been unblocked before shipment.
- 6 Press HOME MENU to exit the menu.

🖉 NOTE

 Blocking a rating causes more severe ratings to be automatically blocked as well. Likewise, unblocking a rating causes less severe ratings to be automatically unblocked.

We suggest you write down your password so you don't forget it.



If you forget the password

When the message "Enter your Password" is displayed in step 6 under "Clearing the password", press the **ENTER** button on the remote control unit and hold it down for 3 seconds or longer. The password reverts to "1234".

Setting the TV Parental Guidelines (TV Guidelines)

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- **3** Select "Parental Control". (←/→ then **ENTER**)
- 4 Select "TV Parental Guidelines". (↑/↓ then ENTER)
- 5 Select the desired rating and change the setting. (↑/↓ then ENTER)



- The password entry screen appears. Enter your 4-digit password using buttons 0 – 9.
- Each time you press **ENTER**, the setting is switched.
- A lock icon appears beside the blocked rating.
- All the ratings have been unblocked before shipment.
- 6 Press HOME MENU to exit the menu.

Blocking Not Rated TV programs

Use the following procedure to block TV programs whose rating information is unavailable.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- 3 Select "Parental Control". (←/→ then ENTER)
- 4 Select "Unavailable Ratings". (↑/↓ then ENTER)
- 5 Select "Block" or "Don't Block". (↑/↓ then ENTER)



- The password entry screen appears. Enter your 4-digit password using buttons 0 – 9.
- The factory default is "Don't Block".

6 Press HOME MENU to exit the menu.

Canadian rating systems

In Canada you can choose the Canadian English ratings or the Canadian French ratings. These ratings are based on the Canadian Radio-Television and Telecommunications Commission (CRTC) policy.

Canadian English ratings

	Rating	Description
	E	Exempt: Includes news, sports, documentaries and other information programming; talk shows, music videos, and variety programming.
Age-Base	С	Children: Intended for younger children under the age of 8 years. Pays careful attention to themes that could threaten their sense of security and well-being.
	C8+	Children over 8 years old: Contains no portrayal of violence as the preferred, acceptable, or only way to resolve conflict; nor encourages children to imitate dangerous acts which they may see on the screen.
	G	General: Considered acceptable for all age groups. Appropriate viewing for the entire family, contains very little violence, physical, verbal or emotional.
	PG	Parental Guidance: Intended for a general audience, but may not be suitable for younger children (under the age of 8) because it could contain controversial themes or issues.
	14+	Over 14 Years: Could contain themes where violence is one of the dominant elements of the storyline, but it must be integral to the development of plot or character. Language usage could be profane and nudity present within the context of the theme.
	18+	Adults: Intended for viewers 18 years and older and might contain depictions of violence, which while related to the development of plot, character or themes, are intended for adult viewing. Could contain graphic language and portrayals of sex and nudity.

Canadian French ratings

	Rating	Description	
	E	Exempt programming.	
	G	General: All ages and children, contains minimal direct violence, but may be integrated into the plot in a humorous or unrealistic manner.	
8ans+ Age-Base		General but inadvisable for young children: May be viewed by a wide public audience, but could contain scenes disturbing to children under eight who cannot distinguish between imaginary and real situations. Recommended for viewing with parent.	
	13ans+	Over 13 years: Could contain scenes of frequent violent scenes and therefore recommended for viewing with parent.	
	16ans+	Over 16 years: Could contain frequent violent scenes and intense violence.	
	18ans+	Over 18 years: Only for adult viewing. Could contain frequent violent scenes and extreme violence.	

Setting Canadian English ratings

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- 3 Select "Parental Control". (←/→ then ENTER)
- 4 Select "Canadian English Ratings". (↑/↓ then ENTER)
- 5 Select the desired rating and change the setting. (↑/↓ then ENTER)



- The password entry screen appears. Enter your 4-digit password using buttons 0 – 9.
- Each time you press **ENTER**, the setting is switched.
- A lock icon appears beside the blocked rating.
- All the ratings have been unblocked before shipment.
- 6 Press HOME MENU to exit the menu.

NOTE

 Blocking a rating causes more severe ratings to be automatically blocked as well. Likewise, unblocking a rating causes less severe ratings to be automatically unblocked.

Setting Canadian French ratings

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (♠/♦ then ENTER)
- 3 Select "Parental Control". (←/→ then ENTER)
- 4 Select "Canadian French Ratings". (↑/↓ then ENTER)
- 5 Select the desired rating and change the setting. (↑/↓ then ENTER)



- The password entry screen appears. Enter your 4-digit password using buttons 0 – 9.
- Each time you press **ENTER**, the setting is switched.
- A lock icon appears beside the blocked rating.
- All the ratings have been unblocked before shipment.
- 6 Press HOME MENU to exit the menu.

🖉 NOTE

 Blocking a rating causes more severe ratings to be automatically blocked as well. Likewise, unblocking a rating causes less severe ratings to be automatically unblocked.

Temporarily deactivating the Parental Control

When the Parental Control is working and censors a blocked TV program (or content), the Plasma Display shows nothing but a message.

The method for temporarily deactivating the Parental Control differs, depending on the currently selected input source.

Antenna A, antenna B, or i.LINK:

The following screen appears. Press ENTER.

A	Parental Control
wwwwww	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1000.0000	XXXXXXXXXXXXXXXXXXXXXXXXX
(Ant. B)	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Enter	Disable Parental Control

Enter your 4-digit password.



• The password entry screen stays only for one minute. After the screen disappears, pressing **ENTER** causes it to appear again.

Input 1 – 4:

Enter your 4-digit password. You need not press **ENTER** first; pressing **ENTER** causes the password entry screen to disappear.

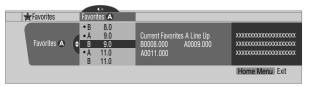
Please Input Your Password.	

- The above password entry screen will also be shown during 2-screen mode, picture-in-picture, and while freezing an image.
- The password entry screen stays only for one minute. After the screen disappears, pressing **ENTER** causes it to appear again.

Setting your favorite channels

Set up to 10 TV channels to each of the four color buttons on the remote control unit (40 channels in total). You can then quickly select from only your favorite channels.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- **3** Select "Favorites". (**←**/**→** then **ENTER**)
- 4 Select a color button (A, B, C, D). (↑/↓ then ENTER)
- 5 Select a TV channel to be registered. (\bigstar / \bigstar then ENTER)



- A star appears beside the favorite channels currently selected.
- To register another TV channel under the same color button, repeat step 5. To register another TV channel under a different color button, repeat steps 4 and 5.
- 6 Press HOME MENU to exit the menu.

Setting up closed captions

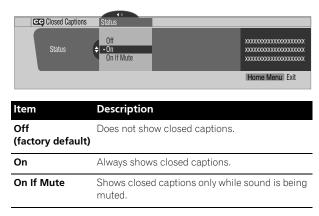
Your Plasma Display System is equipped with an internal closed caption decoder. Closed caption allows you to view conversations, narration, and sound effects in TV programs and home videos as subtitles on your Plasma Display screen.

You may enjoy digital closed captions when watching digital TV programs. Digital closed captions allow you to change parameters such as fonts and colors.

• Not all programs and videos offer closed caption. Please look for the "**(CC)**" symbol to ensure that captions will be shown.

Activating the closed caption

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- 3 Select "Closed Captions". (←/→ then ENTER)
- 4 Select "Status". (♠/♦ then ENTER)
- 5 Select "On" or "On If Mute". (↑/↓ then ENTER)



6 Press HOME MENU to exit the menu.

Selecting the type of conventional closed captions

Select the type of conventional closed captions that you will watch after tuning to a conventional TV channel. This selection also becomes effective when a selected digital TV program provides only conventional closed captions.

- "CC1", "CC2", "CC3", or "CC4" displays subtitles of TV dramas and news programs while allowing a full view of the picture.
- "Text1", "Text2", "Text3", or "Text4" superimposes on the picture other information (e.g. TV guide, weather) that is independent of the TV program in progress.
- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- **3** Select "Closed Captions". (**←**/**→** then **ENTER**)
- 4 Select "Analog Settings". (↑/↓ then ENTER)
- **5** Select the desired closed caption. (\bigstar / \bigstar then **ENTER**)

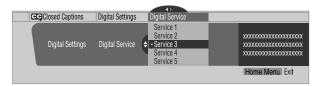


- The factory default is "CC1".
- 6 Press HOME MENU to exit the menu.

Selecting digital closed captions

Use the following procedure to select digital closed captions: Service 1 to 6.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- 3 Select "Closed Captions". (←/→ then ENTER)
- 4 Select "Digital Settings". (↑/↓ then ENTER)
- 5 Select "Digital Service". (↑/↓ then ENTER)
- **6** Select the desired closed caption. (\bigstar / \bigstar then **ENTER**)



- The factory default is "Service 1".
- 7 Press HOME MENU to exit the menu.

🖉 NOTE

• The Primary Caption Service is usually offered for Service 1, and the Secondary Language Service is usually offered for Service 2 if these services are available.

Selecting digital closed caption parameters

Use the following procedure to change such parameters of digital closed captions as font size, font type, foreground and background colors.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- 3 Select "Closed Captions". (←/→ then ENTER)
- 4 Select "Digital Settings". (↑/↓ then ENTER)
- 5 Select "Font Size", "Font", or any other item. (↑/↓ then ENTER)
- 6 Select the desired parameter. (\bigstar / \bigstar then ENTER)

CC Closed Captions	Digital Settings	Font Size	
Digital Settings	Font Size	Large Standard • Small	
			Home Menu Exit

- 7 Repeat steps 5 and 6 as necessary. $(\bigstar, \bigstar/\bigstar)$
- 8 Press HOME MENU to exit the menu.

Tuner Setup

The following table shows the parameters selectable for each item.

ltem	Selection
Font Size	Auto/ Large/ Standard/ Small
Font ¹	Auto/ Font 1/ Font 2/ Font 3/ Font 4/ Font 5/ Font 6/ Font 7
Font Color	Auto / Black/ White/ Red/ Green/ Blue/ Yellow/ Magenta/ Cyan
Font Opacity	Auto/Solid/Transparent/Translucent/Flashing
Background Color	Auto / Black/ White/ Red/ Green/ Blue/ Yellow/ Magenta/ Cyan
Background Opacity	Auto/ Solid/ Transparent/ Translucent

¹ Font 1 (monospaced with serifs)/ Font 2 (proportionally spaced with serifs)/ Font 3 (monospaced without serifs)/ Font 4 (proportionally spaced without serifs)/ Font 5 (casual font)/ Font 6 (cursive font)/ Font 7 (small capitals font)

With "Auto" selected, parameters specified by the provider are used; if not specified by the provider, the bolded default parameters are used. If you select parameters other than "Auto", the selected parameters are used regardless of the provider's specifications.

Clock Setting

With "Auto Set" selected for Clock Setting, the system acquires and sets time information automatically. You can also manually set the correct time. If you disconnect the power cord from the power outlet or power blackout occurs, the set time is cleared.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- 3 Select "Clock". (←/→ then ENTER)
- 4 Select "Time Zone". (♠/♦ then ENTER)
- **5** Select a time zone for your area. (\bigstar / \bigstar then **ENTER**)



- 6 Select "D.S.T.". (←, ←/→, then ENTER)
- 7 Select "Applies" or "Does Not Apply". (**↑**/**↓** then **ENTER**)
 - Make this selection, depending on whether summer time is employed in your area.

Clock	Daylight Savings Time		
D.S.T.	Applies Does Not Apply	Current Time: 9:56 pm EDT Monday 05/17/04	X0000000000000000000000000000000000000
			Home Menu Exit

- 8 Select "Auto/Manual Set". (←, ←/→, then ENTER)
- 9 Select "Auto Set" or "Manual Set". (↑/↓ then ENTER)

10 If you select "Auto Set", select an antenna (A or B) and a channel number using **↑**/**↓** and **ENTER**.



• The date and time will be automatically corrected using data from the selected channel.

If you select "Manual Set", manually set the date and time using 4/4, 4/4 and ENTER.

Clock Auto/Manual Set	Date and Time		
Auto/Manual Set •Manual Set 🔶	3 4 3 /17/04 11:58pm 5 6	Current Time: 11:58 pm PDT Monday 05/17/04	x0000000000000000000000000000000000000
			Home Menu Exit

11 Press **HOME MENU** to exit the menu.

💋 NOTE

 If you setup the TV Guide On Screen[™] system, the Plasma Display System acquires clock information through the TV Guide On Screen[™] system; in this situation you cannot set up the clock using the menu. If you select a parameter for the Clock menu and press **ENTER**, the menu screen disappears and a dialog box appears instead; press **A** to clear the dialog box.

Using the TV Guide On Screen[™] system

Before you can start using the TV Guide On Screen[™] system, you'll need to set it up. If you haven't already done this, please turn to "TV Guide On Screen[™] System Setup" on page 31 before proceeding.

In order to record TV programs with a VCR or D-VHS recorder, you need to correctly connect the equipment to the Media Receiver. For the connections with a VCR, see page 71. For the connections with a D-VHS recorder, see page 72.

Legal Notices

10

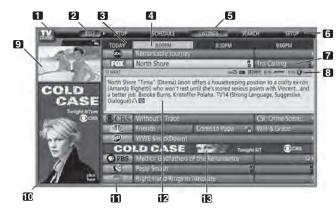
In the United States, TV GUIDE and other related marks are registered marks of Gemstar-TV Guide International, Inc. and/or one of its affiliates. In Canada, TV GUIDE is a registered mark of Transcontinental, Inc. and is used under license by Gemstar-TV Guide International, Inc.



- The TV Guide On Screen[™] interactive program guide provides listings for cable-ready, cable box, and digital cable services as well as over-the-air broadcast. It does not provide listings for satellite services.
- Once you set up the TV Guide On Screen[™] system it may take up to 24 hours to begin to receive TV program listings. Receipt of all eight days of listings may take up to one week.

Screen components

Many of the screen's have common elements to make using the system easier.



- 1 TV GUIDE logo
- 2 Clock Shows the current time.
- **3** Time slot Half-hour time slots are displayed horizontally.
- 4 Time tab Indicates the currently selected time slot.
- **5 Current service label** Indicates the currently selected service.
- 6 Service bar Gives access to the various services of the Guide.
- 7 Tile Shows the title of the TV program.
- 8 Info Bar Shows various icons to convey information or show the status of an item.
- **9 Video window** Allows you to continue watching the current program while using the Guide.
- **10 Panel ads and panel menu entry** Space for show or product advertising (and the panel menu).
- 11 Channel logo
- **12 Info Box** Shows information about the highlighted item.
- 13 Channel ads Space for show advertising.

TV Guide On Screen™ icons

Various icons are used to convey information or show the status of an item. You will locate these icons on the Info Bar, inside the Info Box, or beside program titles.

- **Info icon** Additional information is available; press the **INFO** button to display.
- **Progress Bar** Shows the elapsed time of the current program.
- **HDTV** Indicates that a program is a high-definition broadcast.
- New The program is new (not a repeat).
- A Stereo The program is broadcast in stereo.
- CC The program is broadcast with closed captioning.
- **14 TV Rating** Indicates the age rating for the program.
- Record Once One-time only recording
- **Record Daily** Records the same channel at the time every Monday through Friday (manual recording only).
- **Record Regularly** Records the same program any day it airs on the same channel at the same time.
- Record Weekly Records a program every week at the same time/day.
- Record Suspend The program is set to record, but is suspended because of a conflict with another recording or auto tune reminder. The recording resumes when the conflict is cleared.
- Record Off The program remains in the SCHEDULE list, but will not be recorded until the frequency is changed to one of the above.
- 🖾 Remind Once One-time only reminder
- Remind Daily Reminds for the same channel and time every Monday through Friday (manual reminder only).
- Remind Regularly Reminds the same program any day it airs on the same channel at the same time.
- Remind Weekly Reminds every week at the same time/day.
- Remind Suspend A reminder is set for the program, but is suspended because of a conflict with another auto tune reminder or recording. The reminder resumes when the conflict is cleared.
- Remind Off The program remains in the SCHEDULE list, but will not remind until the frequency is changed to one of the above.

TV Guide On Screen™ navigation

The table below shows a summary of the remote buttons you'll use to navigate the TV Guide On Screen™ system.

Key	What it does
TV GUIDE	Press to display the TV Guide On Screen™ system (also use to exit).
↑ / ↓ / ↓ / →	Use to navigate screens (highlight an item).
ENTER	Press to confirm a selection or execute an action. Can also be used to display the panel menu when a forthcoming program is highlighted.
MENU	Press to display a panel menu.
INFO	Press to cycle through the available information for the current program or screen.
• REC	Press to set the highlighted program to record.
Number buttons	Use for numeric entry.
PAGE +/-	Press to select the previous/next page of information (where applicable).
DAY +/-	Press to jump to the next/previous day of program listings (if applicable).

You can also use the **TV GUIDE**, **ENTER**, **UP/DOWN**, and **LEFT/RIGHT** buttons on the Media Receiver. The **UP/DOWN** and **LEFT/RIGHT** buttons operate the same as the \bigstar/\bigstar and \bigstar/\bigstar buttons on the remote control unit.



The Listings screen

You can consider the Listings screen as the "home" screen of the TV Guide On Screen™ system. This is the screen you see when you press **TV GUIDE**.

From the Listings screen you can:

- View eight days of program listings.
- Display information about individual programs.
- Select a program to start watching.
- Set a program to remind.
- Set a program to record.
- See a thumbnail display of any channel in the video window.
- Access panel and channel ads.
- 1 Press TV GUIDE to display the Listings screen.



- With "LISTINGS" highlighted in the Service bar at the top of the screen, press **INFO** to display (and then close) Help information.
- Press TV GUIDE anytime to exit.
- 2 Press $\neq/\neq/\neq/$ to navigate the Listings screen.
 - With a currently showing program highlighted, press **ENTER** to start watching.
 - Move right for later time slots.
 - Press **PAGE+/-** to display listings for the previous/next day.
 - Press INFO to display additional information (if available) about the currently selected show.
- **3** To set the highlighted program to record, press **• REC**.

SUIDE 8,08	✓ SETUP	SCHEDULE	LISTINGS	SEARCH SETUP	
	TODAY	10:00PM	10:30PM	11:00PM	
SEA .	●CBS	Without a Trace		News	
	- SA	ER		News	
Sector Se	🕐 PBS	Great Streets		Charlie Rose	-,
	9	News	_	Frasier	
COLD	N B	News		Everybody Love	s
CASE		PrimeTime		News	
Tonight 8/7pm		PrimeTime		News	-,
OCBS		PrimeTime		News	\rightarrow
	Air 5-1 WCVB-DT			10:00	INFO
	Wilsonme	Magazine) Chris Cuomo mbers of the pop-music with famous parents. <i>C</i>	trio Wilson Phillips-	Phillips and Carnie and We about the difficulties of	endy
click here	FOX	News		Seinfeld	

Pressing • **REC** just once will set the program to record. Press • **REC** repeatedly to change the frequency of the recording:

- Once Just records the highlighted program.
- **Regularly** Records the same program any day it airs on the same channel at the same time¹.
- Weekly Records the same program at the same time¹/ day every week.

TV Guide On Screen[™] System Operation

- No record icon Don't set a recording.
- ¹ The program will still be recorded if it starts any time up to the midway point of the originally scheduled program. For example, up to 9:15 for a 9:00 to 9:30 program.

Note that setting a program to record in this way will result in a recording using all the default options.

If you want to set a recording using settings other than the default, use the panel menu, as described next.

🖉 NOTE

- When TV Guide On Screen[™] is not being displayed, you can record a program simply by pressing the REC button on the remote. Press the REC button to record the program once. Recording begins immediately. If the program is listed in the TV Guide On Screen[™], recording ends at the end of the program. If the program is not listed in the TV Guide On Screen[™], recording continues for 30 minutes.
- When TV Guide On Screen™ is not displayed, pressing the REC button more than once does nothing.

Recording programs

The simplest way to record a program is to highlight the program you want to record and press ● **REC** (as described above), but if you want to set the recording options to anything other than the default, the place to do it is the Recording Options panel menu. Here you can adjust the start and end times, the destination of the recording, the recording quality and so on.

1 From LISTINGS, SCHEDULE, or SEARCH, highlight the program you want to record.



2 Press MENU to display the Episode Options panel menu.



- 3 Highlight "set recording" and press ENTER.
- **4** Set the recording options:



Press \neq/ \downarrow to highlight a field; press \neq/ \rightarrow to change the setting.

- frequency select whether the program will be recorded just Once, Regularly (at the same time on the same channel), or Weekly (every week at the same time/day). There's also an Off option which puts the program in the recording schedule but doesn't record it (you can set it to record later).
- start set the start time of the recording to On time, or up to 120 minutes before or after the scheduled time.
- end set the end time of the recording to On time, or up to 120 minutes before or after the scheduled time.
- recorder select a recorder to be used for recording.
- **quality** set the recording mode (for i.LINK connectable devices only).
- 5 Once all the settings have been made, press ENTER to highlight "schedule recording", then press ENTER again.



- The recording is now set (and will appear in SCHEDULE) and the appropriate icon appears on the show tile.
- If you want to cancel the recording, highlight **cancel** and press **ENTER**.

TV Guide On Screen[™] System Operation

If there is a time conflict with previously scheduled recording or auto-tune reminder when you preset recording, you will be alerted to this. You can select to record the conflicting program, or cancel the recording. The following screens appear depending on whether it will override a scheduled recording or reminder.



While recording is in progress

If you attempt to change the channel while recording is in progress, the following screen appears. Select either:

elect eitner;

- "don't change; keep recording" or
- "change; stop recording".



Depending on the situation, the following screens will appear. In this case, the reminder will remain on-screen for 15 seconds before it automatically disappears.

\square	🕭 Recording	In Progress
	Changing channels will inter	rupt a recording in progress.
0	Change Channel Now	D Don't Change Channel
	The second in the second secon	PLASMA DISPLAY
	Change Channel Now	Don't Change Channel

Press **A** to change the channel and quit recording; or press **D** not to change the channel and to continue recording.

When the recording is about to start

The TV Guide On Screen[™] system alerts you when a scheduled recording is about to start and gives you the chance to cancel the recording if you no longer need it.

When you see the on-screen alert, select either;

- "change channel, start recording"; or
- "don't change channel; cancel recording".



Depending on the situation, the following screens will appear.



Press $\boldsymbol{\mathsf{A}}$ to start recording as scheduled or $\boldsymbol{\mathsf{D}}$ to cancel recording.

10

Setting program reminders

10

By setting a program reminder you can have the TV alert you when a program is about to start on another channel. You can set reminders for individual episodes of a program, or every time a program airs.

1 From LISTINGS, SCHEDULE, or SEARCH, highlight the program for which you want to set a reminder.



2 Press **MENU** to display the Episode Options panel menu.



- 3 Highlight "set reminder" and press ENTER.
- **4** Set the reminder options:



Press \neq/ \downarrow to highlight a field; press \neq/ \rightarrow to change the setting.

- frequency select whether to be reminded just Once, Regularly (at the same time on the same channel), or Weekly (every week at the same time/day). There's also an Off option which puts the program in the reminder schedule but no reminder is given (you can set it to remind later).
- **auto tune** choose whether the TV should automatically change channels when a reminder is due, or not.
- **when** set when the reminder is displayed (before, on time, or after a program has started).

5 Once all the settings have been made, press ENTER to highlight "schedule reminder", then press ENTER again.

GUIDE 8:08	✓ SETUP	SCHEDULE	LISTINGS	SEARCH SETUR	
Goibe	FRI	7:00AM	7:30AM	8:00AM	
- total		Good Morning Amer	ica)
30	FOX	(News)
	●CBS	Early Show	_		,
		Today)
Remind Options	O PBS	Arthur	Clifford the Big	Dragon Tales	
schedule reminder	Air 2 WGBH			7:30 - 8:00	() INFO
frequency 🕢 once 🕨	Clifford the	Big Red Dog "Good-Bye al) Clifford and Cleo think	T-Bone; The Truth	About Dogs and Cats"	
auto tune 🔄 no 🔸	(Education	al) Clifford and Cleo think	that T-Bone is mov	ring. Grey Delisle, John R	litter.
when 🔄 1 min early 🕨	I WITHES				
cancel					
	9	News	_	Pyramid	
	S	Paid Programming	The Littles	Street Smarts	
		Good Morning Amer	ica		, ,
		Good Morning Amer	ica		

 The reminder is now set (and will appear in SCHEDULE) and the appropriate icon appears on the show tile.

If there is a time conflict with previously scheduled auto-tune reminder or recording when you preset a reminder, you will be alerted to this too. You can select to set a reminder for the conflicting program, or cancel the reminder. The following screens appear depending on whether it will override a scheduled reminder or recording.

Carlos Carlo	EMINDER CONFLICT! Auto-tuning "Scrubs" will override the auto-tune reminder for "Jamie Kennedy Experiment".
l	auto-tune anyway
6	proceed, no auto-tune
	don't set this reminder)
	EMINDER CONFLICT! Auto-tuning "Celebrity
	Justice" will override the recording for "Last Call".
	Justice" will override the recording for "Last
	Justice" will override the recording for "Last Call".
	Justice" will override the recording for "Last Call". auto-tune anyway

When scheduled reminder is about to progress (auto-tune is OFF)

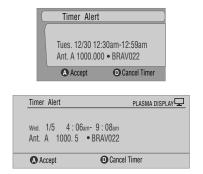
Depending on the settings you made, your program reminder will appear on your TV screen around the time the program is scheduled to start. This happens when you have selected "NO" for the auto tune. The reminder will remain on-screen for three minutes before it automatically disappears.

Press **ENTER** to tune to the highlighted program in the reminder; or highlight "hide reminders" to dismiss the reminder.

GUIDE		•	Reminder!	hide reminders	
SB		Friends			8:00pm 🖄
FOX	13	North Shore			8:00pm 🗐
		*			

If more than one reminder is set for the same time, select the program you want by pressing \bigstar/Ψ .

Depending on the situation, the following screens will appear. In this case, the reminder will remain on-screen for 15 seconds before it automatically disappears.

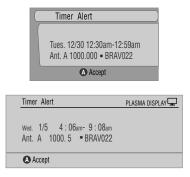


Press $\boldsymbol{\mathsf{A}}$ to leave the reminder effective, or $\boldsymbol{\mathsf{D}}$ to dismiss the reminder.

When scheduled reminder is about to progress (auto-tune is ON)

If the "auto-tune" setting was set to "yes" in the Remind Options, one of the following screens appears, depending on the situation.

The screen will remain for 15 seconds before it automatically disappears.



Press A to make the Timer Alert screen disappear.

Searching for programs

The Search screen lets you search for programs alphabetically, by category or by keyword. You can also search for HDTV programs.

Searching by category

Here you can search for programs by category, and then by a further sub-category if you want.

1 Select "SEARCH" from the Service bar at the top of the screen.

TV 8:08	✓ SCHEDULE	USTINGS		SEARCH		SETUP	SCHEDULE	-
	ALPHABETI	CAL		MOVIES	_		SPORTS	•
- F		Move ←/→ to Move ♣ to d	choos	e search t	ype.	_	_	1
COLD								
CASE	All		_	Mu	sical	_	_	
Tonight 8/7pm	Action	_	_	My	stery	_		
OCBS	Animated	_	_	Ron	nance	_		
- 71 N	Comedy	_	_	Scie	nce Fi	ction	_	
The Part of the Pa	Documentary	_	_	Wa	ŕ	_	_	_
2 1	Drama	_	_	We	stern	_	_	
	Fantasy	_	_	Oth	er	_	_	
	Horror	_	_	All	-	_	_	=
click here								

TV 8:08	◀ SCHEDULE	LISTINGS		SEARCH		SETUP	SCHEDULE	-
GUIDE	ALPHABETI	ICAL		MOVIES		_	SPORTS	•
		Move +/→ to Move + to c	o choos hoose a	e search ty a category	/pe.			
COLD								
CASE	All		_	Mus	ical	_		_
Tonight 8/7pm	Action	_	_	Mys	tery	_		=
Освя	Animated	_	_	Rom	nance	_	_	=
- FA 110	Comedy	_	_	Scie	nce Fic	tion	_	=
Carlo Carlo	Documentary	_	-	War	ŕ	_	_	=
2 9	Drama	_	-	Wes	itern	_	_	=
	Fantasy	_	-	Oth	er	_	_	=
	Horror	_	-	All	_	_	_	=
click here								

- Available categories may include:
 - Movies
 - Sports
 - Children
 - Educational
 - News
 - Variety
 - Series
 - HDTV



- The sub-categories available depend on the category you chose in the last step.
- **4** Press **ENTER** to display a listing of upcoming programs that match the categories you chose.



5 Highlight a program listing and press **MENU** to display the Episode Options panel menu.



• If the program listing is a program now being broadcast you can press **ENTER** to start watching it immediately.

Searching by keyword

Here you search for shows based on keywords you enter. The keywords you create are stored so you can use them again in the future.

1 Select "SEARCH" from the Service bar at the top of the screen.

SUIDE 8:08	✓ SCHEDULE	LISTINGS	5,E	ARCH	SETUP	SCHEDULE 🕨
	ALPHABETI	CAL	M	OVIES		SPORTS >
		Move ←/→ to Move ♣ to d	choose se noose a ca	earch type. ategory.	_	
COLD						
CASE	All		_	Musical		
Tonight 8/7pm	Action	_	_	Mystery	_	
OCBS	Animated	_	_	Romance	:	
101. 17	Comedy	_	_	Science F	iction	
to an the	Documentary	_	_	War	_	
2 1	Drama	_	_	Western	_	
	Fantasy	_	_	Other	_	
	Horror	_	_	All	_	
elick						

Press to move to the search category bar, then press /
 → to select "KEYWORD".



- If you already entered any keywords, they are displayed. Just select one if you want to search for it again.
- To edit or delete one of the displayed keywords, highlight it and then press **MENU**. From the panel menu you can choose "edit search" or "delete search".
- **3** Press **ENTER** to display the Keyword Search menu.



- 4 Select "new search".
- 5 If you want to change the category, move up and select the category you want.



- To search using only the keyword, leave the category set to "All".
- If you select a category ("HDTV", for example) then you'll only see programs in that category that also match the keyword.
- 6 Highlight "enter keyword" and press ENTER.
- 7 Input the keyword for the search.



- Highlight characters by pressing **↑**/**↓**/**↓**/**↓**, then pressing **ENTER** to input them.
- The keyword you input is stored so that you can use it again whenever you need it.
- 8 Select "DONE" to start the search.
- **9** Highlight a program listing, then press **MENU** to display the Episode Options panel menu.



• If the program listing is a program now being broadcast you can press **ENTER** to start watching it immediately.

Alphabetical search

This search is designed to display all programs that start with a particular letter.

1 Select "SEARCH" from the Service bar at the top of the screen.

GUIDE 8;08	✓ SCHEDULE	LISTINGS	SEARCH	SETUP	SCHEDULE	,
	ALPHABET	ICAL	MOVIES	_	SPORTS	•
		Move +/→ to ch Move + to cho	noose search type. ose a category.			
COLD CASE	All		Musical			_
Tonight 8/7pm	Action	_	Mystery	_	_	-
OCBS	Animated	_	Romanc		_	=
Sec. 10	Comedy	_	Science	Fiction	_	
The Part	Documentary	_	War	_	_	=
200	Drama	_	Western	i i	_	=
	Fantasy	_	Other	_	_	-
	Horror	_	All	_	_	-
dick here						

Press to move to the search category bar, then press /
 to select "ALPHABETICAL".

GUIDE 8:08	4	SCHEDULE	LISTING	SEARCH	_	SETUP	SCHEDULE >
	F	KEYWO	RD	ALPHABETIC	AL	_	MOVIES •
			Move ↓	to choose a letter	or your se	arch.	
COLD							
CASE	А			J		5	
Tonight 8/7pm	В			К	_	Ť	
©CBS	C			L	_	U	
= 71 100	D			М		V	
n (**	Ε			N		W	
200	F			0		Х	
	G			Р		Y	
	Н			Q		Z	
click here	T			R	_	Misc	

3 Press ENTER.

- **4** Select a letter, then press **ENTER** to display all programs starting with that letter.
- **5** Highlight a program listing and press **MENU** to display the Episode Options panel menu.

GUIDE	 SCHEDULE 	LISTINGS	SEARCH	SETUP	SCHEDULE	
	KE KE	YWORD	ALPHABETICAL	M	OVIES	•
	ALPHABETICAL Cable in the					_
	(x)=1	Cable in the Cl	assroom	Sun	3:00am	
	AV.	Cable in the Cl	assroom	Mon	4:00am	
pisode Options 🗿	28 MTV			40	0 🗕 4:30 🗿	INFO
go to Service Bar tune to channel set recording set reminder cancel	Cable in the	Classroom				
Calicer	L Sei-Fi	Cable in the Cl	assroom	Mon	5:30am	
	Caddyshack	_				
	Caesar's Par	k				
	Cahill, Unite	d States Marshal				
	Caillou					

• If the program listing is a program now being broadcast you can press **ENTER** to start watching it immediately.

The search Episode Options menu

From the Episode Options menu you can select:

- go to Service bar closes the panel menu and returns to the Service bar at the top of the screen.
- tune to channel / watch now exits the TV Guide On Screen[™] guide and tunes to the channel.
- set recording goes to the Record Options menu.
- set reminder goes to the Remind Options menu.
- **cancel** closes the panel menu and returns to the highlighted program listing.

Navigation and search tips

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- The ★/↓ buttons move the highlight between options in the panel menu. Use the number buttons to input information.
- If a highlighted field has arrows on either side, press
 → to cycle through the options.
- Press **ENTER** on any option to highlight the default command (e.g., **Done**), then press **ENTER** again to execute and close the panel menu.
- Select Cancel and press **ENTER** to close the panel menu and return to the previous screen, or press **MENU** to cancel any changes and close the menu.

Scheduling recordings and reminders

From the Schedule area you can review, edit or delete recordings and reminders.

Select "SCHEDULE" from the Service bar at the top of the screen.

TV 8:08	✓ SEARCH	SETUP	SCHEDULE	LISTINGS	SE	ARCH 🕨
						() INFO
		Press Menu r	ecord or Remind I now for more Sch ighlight any show enu for show opt	edule choices		
COLD	SCHEDULE					
CASE	Friends				Thu 6/24	8:10pm 🔾
Tonight 8/7pm	North Shore			_	Thu 6/24	8:04pm 🏟
OCBS	Without a Trace				Thu 6/24	8:05pm;)
-71 102	CSI: Crime Scene In	hvestigation			Thu 6/24	8:59pm 🗭
1 m m	Jamie Kennedy Ex	periment		_	Thu 6/24	8:59pm 🏟
200	This Old House Ho	bur		_	Fri 6/25	4:00am 🕥
	Ripley's Believe It	or Not!			Fri 6/25	5:59am 🏟
	Today				Fri 6/25	6:59am 🔅
click here						

A list of programs that have record or remind events scheduled appears. The icons on the right side indicate the status of the events.

- Once only recording
- **Daily** Records the same channel at the time every Monday through Friday (manual recording only)
- **Regularly** Records the same program any day it airs on the same channel at the same time¹.
- Weekly recording (every week at the same time/day)
- Record Supend The program is set to record, but is suspended because of a conflict with another recording or auto tune reminder. The recording resumes when the conflict is cleared.
- **Off:** The program remains in the SCHEDULE list, but will not be recorded until the frequency is changed to one of the above.
- Once only reminder
- Daily Reminds for the same channel and time every Monday through Friday (manual reminder only)
- Regularly Reminds the same program any day it airs on the same channel at the same time².
- Weekly reminder (every week at the same time/day)
- Remind Supend A reminder is set for the program, but is suspended because of a conflict with another auto tune reminder or recording. The reminder resumes when the conflict is cleared.
- **Off**: The program remains in the SCHEDULE list, but will not remind until the frequency is changed to one of the above.
- ¹ The program will still be recorded if it starts any time up to the midway point of the originally scheduled program. For example, up to 9:15 for a 9:00 to 9:30 program.
- ² The reminder will still appear if the program starts any time up to the midway point of the original schedule. For example, up to 9:15 for a 9:00 to 9:30 program.

2 Highlight a program in the list and press **MENU** to display the Schedule Options panel menu.



• When you highlight a program in the list you'll see information related to that program appear in the Info Box.

The Schedule Options menu

The Schedule Options menu is accessible by pressing **MENU** when either "SCHEDULE" is highlighted in the Service bar, or a program is highlighted.

When "SCHEDULE" is highlighted in the service bar:

- go to Service Bar closes the panel menu and returns to the Service bar at the top of the screen.
- sort by select a sort order for the program listings.
- new manual recording select and then fill in all the necessary fields to set the recording. Select "schedule recording" when you're done to save and exit, or select "cancel" to exit without saving.
- new manual reminder select and then fill in all the necessary fields to set the reminder. Select "schedule reminder" when you're done to save and exit, or select "cancel" to exit without saving.
- done closes the panel menu and returns to the Service bar at the top of the screen.
- cancel closes the panel menu without saving any changes and returns to the Service bar at the top of the screen.

When a program is highlighted:

- go to Service Bar closes the panel menu and returns to the Service bar at the top of the screen.
- watch now start watching the selected program (this option is "tune to channel" for a program that isn't showing now).
- **cancel** closes the panel menu and returns to the highlighted program listing.

For recording:

- set recording set the program to record (opens the Record Options menu).
- **delete recording** remove the recording from the schedule (requires confirmation).
- edit recording edit the recording settings (opens the Record Options menu).

For reminder:

- set reminder set the program to remind (opens the Remind Options menu).
- **delete reminder** remove the reminder from the schedule (requires confirmation).
- edit reminder edit the reminder settings (opens the Remind Options menu).

Changing setup options

You can change TV Guide On Screen™ settings from the Setup menu. Setup options are divided into three categories: System Settings, Channel Display, and Default Options.

1 Select "SETUP" from the Service bar at the top of the screen.

TV 8;08	< LISTINGS	SEARCH	SETUP	SCHEDULE	LISTINGS 🕨
		Customize T channel disp Just move	V Guide On Scree blay info and defa to highlight your	n's settings, ult options r choice!	INFO
COLD CASE Tonight 8/7pm	SETUP Change system Change chann Change defau	el display	_	_	
A PARTY					
click here					

2 Press \checkmark to select one of the setup areas.

TV 8:08	•	LISTINGS	SEARCH	SETUP	SCHEDULE	LISTINGS 🕨
GOIDE	SETUP					
195	Chan	ge system se	ttings			
1. 1. C.						() INFO
			ZIP or Postal cable or ant	enna setup	ngs or update:	
COLD			recording de	evice		
CASE	Chan	ae channel	display	_	_	
ronight 6// pm	Chan	a ge default o	ptions	_	_	
Свз						
click						

As you highlight an option you can see the settings you can adjust in that area:

- System Settings ZIP/postal code, cable setup, etc.
- Channel Display Channel position, tuning channel, display on/off, etc.
- **Default Options** General, recording and reminder defaults

Changing the System Settings

The System Settings include your ZIP/postal code and your cable TV setup.

1 Highlight the "Change System Settings" item.

SUIDE 8,0	8	LISTINGS	SEARCH	SETUP	SCHEDULE	LISTINGS >
GUIDE		SETUP				Ĩ
STER -		Change system se	ttings			
	5					() INFO
	8 F.		ZIP or Post	ntenna setup	gs or update:	
COLD			recording	device		
COLD CAS	E	Change channel c	lisplay	_	_	
Tonight 8/7		Change default o	ptions		_	

2 Press **ENTER** to display the current settings and the options to change them.



- **3** Select one of the options, then follow the on-screen instructions.
 - Yes, everything is correct: displays a helpful information screen. Press ENTER to quit the TV Guide On Screen™.
 - Yes, but my channel lineup is incorrect: displays a screen from which you may choose the correct channel lineup. Press **ENTER** to display the Channel Editor screen.
 - No, repeat setup process: displays screen 1 shown on page 32.

Changing the Channel Display settings

From the Channel Display settings you can set/change:

- the display setting to always display (On), never display (Off), or display only when channel information is available (Auto Hide).
- the tuned channel number.
- the channel position in the channel listing.
- 1 Highlight the "Change Channel Display" item.



2 Press ENTER to display the channel editor.



3 Press **↑**/**↓** to highlight a channel then press **ENTER** to go to the Grid Options menu.

SUIDE B.08	۱ U	STINGS	SEARCH	SETUP	SCHEDULE	LISTING	s ⊧
	CHANNE	L EDITOR					- 1
SER.	1		WCVB	Cable B	lox	5	ON
10 - Car							() INFO
			Press OK to ch	nange the channel number, turn char	, anal an /off		
Grid Ontions			or Auto-Hide	it, set cable or ove			
did options -			or change the	e video input.			
go back to Setup							
channel on	2	FOX	WFXT	Cable B	lox	13	ON
service Cable Box	- 3	©CBS	WBZ	Cable B	lox	4	ON
tune channel 5 position 1	- 4	S.	WHDH	Air		7	ON
done	- 5	O PBS	WGBH	Air		2	ON
cancel	6	Ð	WSBK	Cable B	lox	14	ON
unter	$-\gamma$		WCVB	Air		5	ON
	- 8		WCVB-DT	Cable B	lox	805	ON
	- 9	FOX	WFXT	Air		25	ON

From the Grid Options menu you can set:

- **channel** On (display in channel list), Off (don't display) or Auto Hide (hide when no program information is available)
- **service** the type of service that the channel operates on (cable, etc.)
- **tune channel** the channel number that the channel listing is tuned to
- **position** place that the channel appears in the channel list
- **4** When you've made all the settings you want for the channel, highlight "done" then press **ENTER**.
 - To cancel without saving any of the changes you made, select "cancel".

Changing the Default Options

This is the place to change the default settings for recordings, reminders and other general settings.

1 Select the "Change Default Options" item.



2 Select one of the three default option categories. A different panel menu appears for each option:

General default options

- **box size** the initial size of the Info Box (no, small, large, last used)
- box cycle the cycle behavior of the Info Box (no only, small only, large only, no & small, no & large, small & large, all)
- auto guide Display TV Guide On Screen[™] guide automatically when you switch on the TV (On, Off)

Record defaults

- **start** when to start a recording (up to 120 minutes earlier or later than the program start time, or On time)
- **end** when to end a recording (up to 120 minutes earlier or later than the program end time, or On time)
- recorder selects a recorder to be used for recording.
- quality recording quality (for i.LINK connectable devices only)

Remind defaults

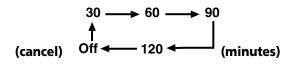
- **auto tune** automatically tunes to the correct channel when a reminder becomes due (Yes or No)
- when when to display the reminder (15 minutes early to 15 minutes late, or On time)
- **3** When you've made all the settings you want, highlight "done" then press **ENTER**.
 - To cancel without saving any of the changes you made, select "cancel".

Sleep Timer

When the selected time elapses, the Sleep Timer automatically places the system into the standby mode.

Press **SLEEP** to select the desired time.

- The timer starts counting.
- Each time you press **SLEEP**, the selection is switched as below:



• The factory default is "Off".

🖉 NOTE

- To cancel the Sleep Timer, select "Off" by pressing SLEEP.
- Five minutes before the selected time elapses, the remaining time appears every minute.

You can also use the menu to set the Sleep Timer.

- 1 Press HOME MENU.
- 2 Select "Sleep Timer". (**↑**/**↓** then **ENTER**)
- **3** Select the desired time. (\bigstar / \bigstar then **ENTER**)
- 4 Press HOME MENU to exit the menu.

AV Selection

Select from the six viewing options, depending on the current environment (e.g., room brightness), the type of the current TV program, or the type of images input from external equipment.

- 1 Press AV SELECTION.
 - The current AV Selection mode appears.
- **2** Press **AV SELECTION** again before the displayed mode disappears.
 - For AV source, the mode is switched in this order; STANDARD, DYNAMIC, MOVIE, GAME, USER, then PURE.
 - For PC source, the mode is switched between STANDARD and USER.

You can also use the menu to change the options.

- 1 Press HOME MENU.
- 2 Select "Picture". (↑/↓ then ENTER)
- 3 Select "AV Selection". (♠/♦ then ENTER)
- 4 Select the desired option. (\bigstar / \bigstar then ENTER)

AV Selection	
• STANDARD	
DYNAMIC	
MOVIE	
GAME	
USER	
PURE	

For AV source

Item	Description
STANDARD	For a highly defined image in a normally bright room This selection is shared by the external input and TV input sources.
DYNAMIC	For a very sharp image with maximum contrast This mode does not allow manual image quality adjustment. This selection is shared by the external input and TV input sources.
MOVIE	For movies This selection is shared by the external input and TV input sources.
GAME	Lowers image brightness for easier viewing. This selection is shared by the external input and TV input sources.
USER	Allows you to customize settings as desired. You can set the mode for each input source.
PURE	Reflects input signals as faithfully as possible. You may select this option to check image materials, for example.

For PC source

ltem	Description
STANDARD (factory default)	For a highly defined image in a normally bright room
USER	Allows you to customize settings as desired. You can set the mode for each input source.

5 Press HOME MENU to exit the menu.

🖉 NOTE

- You can also press **AV SELECTION** on the remote control unit to switch the viewing option.
- If you have selected "DYNAMIC", you cannot select "Contrast", "Brightness", "Color", "Tint", "Sharpness", "Pro Adjust" and "Reset"; these menu items are dimmed.

Basic picture adjustments

Adjust the picture to your preference for the chosen AV Selection option (except DYNAMIC).

1 Press HOME MENU.

- 2 Select "Picture". (↑/↓ then ENTER)
- **3** Select an item to be adjusted. $(\bigstar/ \bigstar$ then **ENTER**)

Picture	
AV Selection	STANDARD
Contrast	40
Brightness	¢
Color	0 0
Tint	siz 0
Sharpness	
Pro Adjust	
Reset	

4 Select the desired level. (\bigstar/ \rightarrow)

Contrast

When an adjustment screen is displayed, you can also change the item to be adjusted, by pressing ↑/↓.

5 Press HOME MENU to exit the menu.

For AV source

ltem	+ button	➔ button
Contrast	For less contrast	For more contrast
Brightness	For less brightness	For more brightness
Color	For less color intensity	For more color intensity
Tint	Skin tones become purplish	Skin tones become greenish
Sharpness	For less sharpness	For more sharpness

For PC source

ltem	+ button	→ button
Contrast	For less contrast	For more contrast
Brightness	For less brightness	For more brightness
Red	For weaker red	For stronger red
Green	For weaker green	For stronger green
Blue	For weaker blue	For stronger blue

For PC source, the following screen appears:

Picture	
AV Selection	STANDARD
Contrast	40
Brightness	☆ o
Red	R 0
Green	G 0
Blue	B 0
Reset	

💋 NOTE

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- To perform advanced picture adjustments, select "Pro Adjust" in step 3 and then press **ENTER**. For the subsequent procedures see "Advanced picture adjustments" on page 60.
- To restore the factory defaults for all items, press ↑/↓ to select "Reset" in step 3, and then press ENTER. A confirmation screen appears. Press ↑/↓ to select "Yes", and then press ENTER.

Advanced picture adjustments

The Plasma Display System provides various advanced functions for optimizing the picture quality. For details on these functions, see the tables.

Using PureCinema

- 1 Press HOME MENU.
- 2 Select "Picture". (↑/↓ then ENTER)
- 3 Select "Pro Adjust". (↑/↓ then ENTER)
- 4 Select "PureCinema". (↑/↓ then ENTER)
- 5 Select the desired parameter. (\checkmark / \checkmark then ENTER)
 - For the selectable parameters, see the table.

PureCinema

Automatically detects a film-based source (originally encoded at 24 frames/second), analyzes it, then recreates each still film frame for high-definition picture quality.

Selections	Off	Deactivates the PureCinema.
	Standard	Produces smooth and vivid moving images (film specific) by automatically detecting recorded image information when displaying DVD or high-definition images (e.g., movies) having 24 frames per second.
	ADV	Produces smooth and quality moving images (as shown on theatre screens) by converting to 72 Hz when displaying DVD images (e.g., movies) having 24 frames per second.

🖉 NOTE

 "Standard" is not selectable when 480p or 720p@60Hz signals are input.

Using Color Temp

- 1 Press HOME MENU.
- **2** Select "Picture". (\bigstar / \bigstar then **ENTER**)
- 3 Select "Pro Adjust". (↑/↓ then ENTER)
- 4 Select "Color Detail". (↑/↓ then ENTER)
- 5 Select "Color Temp". (**↑**/**↓** then **ENTER**)
- 6 Select the desired parameter. (\uparrow / \downarrow then ENTER)
 - If you have selected a desired parameter in this step, skip steps 7 and 8.
 - You may rather want to perform fine adjustment. To do this, select "Manual" first and then press and hold ENTER for more than three seconds. The manual adjustment screen appears. Then go to step 7.

Color Temp

Adjusts the color temperature, resulting in a better white balance.

Selections	High	White with bluish tone
	Mid-High	Intermediate tone between High and Mid
	Mid	Natural tone
	Mid-Low	Intermediate tone between Mid and Low
	Low	White with reddish tone
	Manual	Color temperature adjusted to your preference

- 7 Select an item to be adjusted. (\bigstar / \bigstar then ENTER)
- 8 Select the desired level. (\bigstar/\bigstar)

ltem		+ button	→ button
R High	Fine adjustment for bright portions	For weaker red	For stronger red
G High		For weaker green	For stronger green
B High	-	For weaker blue	For stronger blue
R Low	Fineadjustment for dark	For weaker red	For stronger red
G Low	portions	For weaker green	For stronger green
B Low	-	For weaker blue	For stronger blue

• To perform adjustment for another item, press **RETURN**, and then repeat steps 7 and 8.

- **9** Press **HOME MENU** to exit the menu.

Using CTI

- 1 Press HOME MENU
- 2 Select "Picture". (↑/↓ then ENTER)
- 3 Select "Pro Adjust". (**↑**/**↓** then **ENTER**)
- 4 Select "Color Detail". (**↑**/**↓** then **ENTER**)
- 5 Select "CTI". (**↑**/**↓** then **ENTER**)

Adjustments and Settings

6 Select the desired parameter. (**↑**/**↓** then **ENTER**)

CTI

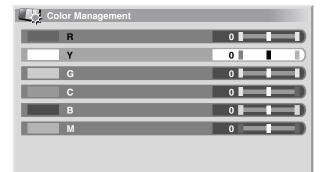
Provides images with clearer color contours. The CTI stands for Color Transient Improvement.

Selections	Off	Deactivates the CTI.
	On	Activates the CTI.

7 Press HOME MENU to exit the menu.

Using Color Management

- 1 Press HOME MENU.
- 2 Select "Picture". (**↑**/**↓** then **ENTER**)
- 3 Select "Pro Adjust". (**↑**/**↓** then **ENTER**)
- 4 Select "Color Detail". (↑/↓ then ENTER)
- **5** Select "Color Management". (\uparrow / \downarrow then **ENTER**)
- 6 Select an item to be adjusted. (\bigstar / \bigstar then ENTER)



7 Select the desired level. (\bigstar/ \rightarrow)

ltem	+ button	→ button
R	Closer to magenta	Closer to yellow
Y	Closer to red	Closer to green
G	Closer to yellow	Closer to cyan
с	Closer to green	Closer to blue
В	Closer to cyan	Closer to magenta
М	Closer to blue	Closer to red

• To perform adjustment for another item, press **RETURN**, and then repeat steps 6 and 7.

- 8 Press HOME MENU to exit the menu.

Eliminating noise from images

- 1 Press HOME MENU.
- 2 Select "Picture". (↑/↓ then ENTER)
- 3 Select "Pro Adjust". (**↑**/**↓** then **ENTER**)
- 4 Select "NR". (**↑**/**↓** then **ENTER**)
- 5 Select an item to be adjusted. (↑/↓ then ENTER)
 You can select "DNR" or "MPEG NR".
- 6 Select the desired parameter. (\bigstar / \bigstar then ENTER)

DNR

Eliminates video noise for clean, crisp images. DNR stands for Digital Noise Reduction.

Selections	Off	Deactivates the DNR.
	High	Enhanced DNR
	Mid	Standard DNR
	Low	Moderate DNR

MPEG NR

Eliminates mosquito noise from video images when a DVD is played, resulting in noise-free images.

Selections	Off	Deactivates the MPEG NR.
	High	Enhanced MPEG NR
	Mid	Standard MPEG NR
	Low	Moderate MPEG NR

7 Press HOME MENU to exit the menu.

Using the Dynamic Range Expander (DRE) functions

- **1** Press **HOME MENU**.
- 2 Select "Picture". (↑/↓ then ENTER)
- 3 Select "Pro Adjust". (**↑**/**↓** then **ENTER**)
- 4 Select "DRE". (**↑**/**↓** then **ENTER**)
- **5** Select an item to be adjusted. (\bigstar / \bigstar then **ENTER**)
 - You can select "Dynamic Contrast", "Black Level", "ACL" or "Gamma".
- 6 Select the desired parameter. (**↑**/**↓** then **ENTER**)

Dynamic Contrast

Emphasizes the contrast of images so that the difference between brightness and darkness becomes more distinct.

Selections	Off	Deactivates the Dynamic Contrast.
	High	Enhanced Dynamic Contrast
	Mid	Standard Dynamic Contrast
	Low	Moderate Dynamic Contrast

Black Level

Emphasizes the dark portions of images so that the difference between brightness and darkness becomes more distinct.

Selections	Off	Deactivates the Black Level.
	On	Activates the Black Level.

ACL

Performs such compensation that results in the optimum contrast characteristics for images.

Selections	Off	Deactivates the ACL.
	On	Activates the ACL.

Gamma

Adjusts the gamma characteristics (image gradation characteristics).

Selections	1	Selects gamma characteristics 1.
	2	Selects gamma characteristics 2.
	3	Selects gamma characteristics 3.

7 Press HOME MENU to exit the menu.

Using the 3DYC and I-P Mode

- 1 Press HOME MENU.
- 2 Select "Picture". (↑/↓ then ENTER)
- 3 Select "Pro Adjust". (↑/↓ then ENTER)
- 4 Select "Others". (↑/↓ then ENTER)
- 5 Select an item to be adjusted. (↑/↓ then ENTER)
 You can select "3DYC" or "I-P Mode".
- 6 Select the desired parameter. (\bigstar / \bigstar then ENTER)

3DYC

Optimizes characteristics for separating brightness signals and color signals. This works for both video and still images.

Selections	Off	Deactivates the 3DYC.
	High	Enhanced 3DYC
	Mid	Standard 3DYC
	Low	Moderate 3DYC

I-P Mode

Performs optimum conversion from interlace signals to progressive signals. This works for both video and still images.

Selections	1	Optimum for video images
	2	Standard setting
	3	Optimum for still images

7 Press HOME MENU to exit the menu.

🖉 NOTE

• For the I-P Mode, the individual parameters are not selectable for 480p and 720p@60Hz signals.

Sound adjustments

Adjust the sound to your preference for the chosen AV Selection option. See page 58.

- 1 Press HOME MENU.
- 2 Select "Sound". (↑/↓ then ENTER)
- **3** Select an item to be adjusted. (\bigstar/\bigstar)
- 4 Select the desired level. (\checkmark)

Sound [STANDARD]
Treble	-+ 2 +
Bass	
Balance	
Reset	
FOCUS	Off
Front Surround	Off

ltem	+ button	→ button
Treble	For weaker treble	For stronger treble
Bass	For weaker bass	For stronger bass
Balance	Decreases audio from the right speaker.	Decreases audio from the left speaker.

5 Press HOME MENU to exit the menu.

🖉 NOTE

Adjustments and Settings

FOCUS

This shifts the sound-source direction (sound image) upward and produces clear sound contours.

1 Press HOME MENU.

- 2 Select "Sound". (**↑**/**↓** then **ENTER**)
- 3 Select "FOCUS". (♠/♦)
- 4 Select the desired parameter. (←/→)

Item	Description
Off (factory default)	Deactivates the FOCUS.
On	Activates the FOCUS.

5 Press HOME MENU to exit the menu.

Front Surround

This provides three-dimensional sound effects and/or deep, rich bass.

- 1 Press HOME MENU.
- 2 Select "Sound". (↑/↓ then ENTER)
- 3 Select "Front Surround". (♠/♦)
- 4 Select the desired parameter. (\bigstar/\bigstar)

ltem	Description
Off	Deactivates both the SRS and TruBass.
SRS	Reproduces highly effective three-dimensional sound.
TruBass (factory default)	Provides deep, rich bass using a new technology.
TruBass + SRS	Provides both TruBass and SRS effects.

5 Press HOME MENU to exit the menu.

🖉 ΝΟΤΕ

- SSS(WOW) designates a status where the FOCUS is on and TruBass + SRS has been selected for Front Surround.
- **SRS** is a trademark of SRS Labs, Inc.
- WOW technology is incorporated under license from SRS Labs, Inc.

Power Control

Power Control provides convenient functions for saving power.

Energy Save

You may use one of the three Energy Save modes to save power consumption.

- 1 Press HOME MENU.
- 2 Select "Power Control". (↑/↓ then ENTER)
- 3 Select "Energy Save". (**↑**/**↓** then **ENTER**)
- 4 Select "Save1", "Save2", or "Picture Off". (↑/↓ then ENTER)

ltem	Description
Standard	Does not decrease picture brightness.
Save1	Slightly lowers power consumption while slightly suppressing the brightness drop level.
Save2	Decreases the picture brightness and lowers power consumption.
Picture Off	Deactivates the screen to save power. To restore the screen display, press any button other than VOL +/- and MUTING . This setting is not memorized by the system.

5 Press **HOME MENU** to exit the menu.

🖉 ΝΟΤΕ

• You can also select this function using the Home menu when the input source is a PC.

No Signal off (AV mode only)

The system will be automatically placed into the standby mode if no signal is received for 15 minutes.

- 1 Press HOME MENU.
- 2 Select "Power Control". (↑/↓ then ENTER)
- 3 Select "No Signal off". (↑/↓ then ENTER)
- 4 Select "Enable". (**↑**/**↓** then **ENTER**)

ltem	Description
Disable (factory default)	Does not place the system into the standby mode.
Enable	Places the system into the standby mode if no signal is received for 15 minutes.

5 Press **HOME MENU** to exit the menu.

ΝΟΤΕ

- Five minutes before the system is placed into the standby mode, a message appears every minute.
- The system may not be placed into the standby mode when noise signals are present at the Media Receiver after a TV program finishes.

No Operation off (AV mode only)

The system will be automatically placed into the standby mode when no operation is performed for three hours.

- 1 Press HOME MENU.
- 2 Select "Power Control". (↑/↓ then ENTER)
- 3 Select "No Operation off". (↑/↓ then ENTER)
- 4 Select "Enable". (**♦**/**↓** then **ENTER**)

Item	Description
Disable (factory default)	Does not place the system into the standby mode.
Enable	Places the system into the standby mode if no operation is performed for three hours.

5 Press HOME MENU to exit the menu.

💋 NOTE

• Five minutes before the system is placed into the standby mode, a message appears every minute.

Power Management (PC mode only)

The system will be automatically placed into the standby mode when no signal is received from the personal computer.

- 1 Press HOME MENU.
- 2 Select "Power Control". (↑/↓ then ENTER)
- 3 Select "Power Management". (**♦**/**↓** then **ENTER**)
- 4 Select "Mode1" or "Mode2". (↑/↓ then ENTER)

Item Description

Off (factory default)	No power management
Mode1	 Places the system into the standby mode when no signal is received from the personal computer for eight minutes. Even when you start using the computer and a signal is received again, the system stays off. The system is switched on again by pressing STANDBY/ON on the Media Receiver or TV & on the remote control unit.
Mode2	 Places the system into the standby mode when no signal is received for eight seconds. When you start using the computer and a signal is received again, the system is switched on. The system is switched on again by pressing STANDBY/ON on the Media Receiver or TV to on the remote control unit.

5 Press HOME MENU to exit the menu.

Image position adjustment (AV mode only)

Adjusts the horizontal and vertical positions of images on the Plasma Display.

- 1 Press HOME MENU.
- 2 Select "Option". (**↑**/**↓** then **ENTER**)
- 3 Select "Position". (**↑**/**↓** then **ENTER**)
- 4 Select "H/V Position Adjust". (↑/↓ then ENTER)

	Position
Η/	V Position Adjust
Re	eset

- Adjust the vertical position (↑/↓) or horizontal position (←/→).
- 6 Press HOME MENU to exit the menu.

🖉 ΝΟΤΕ

- To restore the factory defaults for all the items, press ↑/↓ to select "Reset" in step 4, and then press ENTER. A confirmation screen appears. Press ↑/↓ to select "Yes", and then press ENTER.
- Adjustments are stored separately for each input source.

Automatic image position and clock adjustments (PC mode only)

Use Auto Setup to automatically adjust positions and clock of images coming from a personal computer.

- 1 Press HOME MENU.
- 2 Select "Option". (**↑**/**↓** then **ENTER**)
- 3 Select "Auto Setup". (**↑**/**↓** then **ENTER**)

Option	
Auto Setup	
Manual Setup	

- Auto Setup starts.
- 4 Press HOME MENU to exit the menu.

🖉 NOTE

- When Auto Setup is finished, "Auto Setup completed." appears.
- Even when "Auto Setup completed." appears, Auto Setup may have failed, depending on conditions.
- Auto Setup may fail with a PC image composed of similar patterns or monochrome. If not successful, change the PC image and try again.
- Be sure to connect the computer to the Media Receiver and switch it on before starting Auto Setup.

Manual image position and clock adjustments (PC mode only)

Usually you can easily adjust the positions and clock of images using Auto Setup. Use Manual Setup to optimize the positions and clock of images when necessary.

- 1 Press HOME MENU.
- 2 Select "Option". (↑/↓ then ENTER)
- 3 Select "Manual Setup". (↑/↓ then ENTER)
- 4 Select an item to be adjusted. $(\bigstar/ \bigstar$ then **ENTER**)

Manual Setup	
H/V Position Adjust	
Clock	0
Phase	0
Reset	

- **5** Perform adjustment. $(\bigstar/ \Rightarrow \text{ or } \bigstar/ \bigstar)$
- 6 Press HOME MENU to exit the menu.

💋 ΝΟΤΕ

Selecting a screen size manually

In single-screen mode, press **SCREEN SIZE** to change the size of the screen from among the selectable options for the type of video signals currently received.

• The selectable screen sizes differ depending on the types of input signals.

AV mode

ltem	Description
4:3	For 4:3 "standard" pictures. A side bar appears on each side.
FULL	For 16:9 squeezed pictures.
ZOOM	For 16:9 letterbox pictures. Bars may appear on the top and bottom on some programs.
CINEMA	For 14:9 letterbox pictures. Bars may appear on the top and bottom on some programs.
WIDE	In this mode pictures are progressively stretched toward each side of the screen.

PC mode except for XGA signals

ltem	Description
4:3	Fills the screen without altering the input signal aspect ratio.
FULL	Full 16:9 screen display
Dot by Dot	Matches input signal with same number of screen pixels.

PC mode for XGA signals

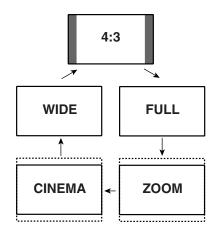
(Ex. 1024 \times 768 input with PRO-1130HD)

ltem	Description
4:3	Matches input signal with the same number of screen pixels. Optimized for 1024 × 768 display
FULL1	Full 16:9 screen display Optimized for 1024 × 768 display
FULL2	For wide signal display Use when displaying 1280 × 768 signal resolution.

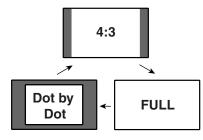
🖉 NOTE

- In 2-screen mode, press SCREEN SIZE to change the size of the left screen.
- The PC mode above is for the PRO-1130HD. For the PRO-930HD the number of panel pixels is different, so signal processing and actual viewing conditions will vary slightly.
- While watching High Definition TV broadcasting, pressing **SCREEN SIZE** switches among FULL, ZOOM, WIDE, and 4:3.
- If you watch High Definition TV broadcasting with WIDE selected, part of the screen (e.g., images, graphic interface) may not appear on the display. If this is the case, select FULL.

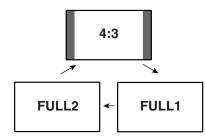
AV mode



PC mode except for XGA signals



PC mode for XGA signals



Selecting a screen size automatically

The Plasma Display automatically selects an appropriate screen size when video signals are received from a connected HDMI equipment (see page 69). To activate this function, use the following procedure.

- Press HOME MENU. 1
- 2 Select "Option". (\bigstar / \bigstar then **ENTER**)
- 3 Select "Auto Size". (\bigstar / \bigstar then **ENTER**)
- 4 Select "On". (**↑**/**↓** then **ENTER**)

Auto Size	
• Off	
On	
Item	Description
Off (factory default)	Deactivates the Auto Size function.
On	Activates the Auto Size function.

5 Press HOME MENU to exit the menu.

// NOTE

- Manually select an appropriate screen size if an image does not automatically switch to a correct screen format.
- When the video signal contains no aspect ratio information, the function will not work even with "On" selected.

Selecting a screen size for received 4:3 aspect ratio signals

Specify whether the Plasma Display should choose the 4:3 mode or WIDE mode when 4:3 aspect ratio signals are received with the Auto Size function activated.

- 1 Press HOME MENU.
- 2 Select "Option". (\bigstar / \bigstar then **ENTER**)
- 3 Select "4:3 Mode". (**↑**/**↓** then **ENTER**)
- 4 Select "WIDE" or "4:3". (**↑**/**↓** then **ENTER**)

and a	4:3 Mode
- 11	• WIDE
- 11	4:3
om	Description

item	Description
WIDE (factory default)	Wide image without side masks
4:3	Keeps the 4:3 aspect ratio and presents side masks.

WIDE

4:3





5 Press HOME MENU to exit the menu.

Changing the brightness at both sides of the screen (Side Mask)

With the 4:3 screen size selected for the AV mode, you can change the brightness of the gray side masks that appear at both sides of the screen.

- 1 Press HOME MENU.
- 2 Select "Option". (↑/↓ then ENTER)
- 3 Select "Side Mask". (↑/↓ then ENTER)
- 4 Select the desired parameter. (\bigstar / \bigstar then ENTER)

ltem	Description
Fixed (factory default)	Always sets the same brightness for the gray side masks.
Auto	Adjusts the brightness of the gray side masks according to the brightness of images.

5 Press **HOME MENU** to exit the menu.

Language setting

You can select a language to be used for on-screen display such as menus from among three languages: English, French, and Spanish.

- 1 Press HOME MENU.
- 2 Select "Option". (↑/↓ then ENTER)
- 3 Select "Language". (↑/↓ then ENTER)
- 4 Select a language. (←/→)



5 Press HOME MENU to exit the menu.

About External Equipment

You can connect many types of external equipment to your Plasma Display System, like a DVD player, VCR, personal computer, game console, and camcorder.

To view images coming from external equipment, select the input source using the **INPUT** buttons on the remote control or the **INPUT** button on the Media Receiver.

12

• To protect all equipment, always unplug the Media Receiver from the power outlet before connecting to a DVD player, VCR, personal computer, game console, camcorder, or other external equipment.

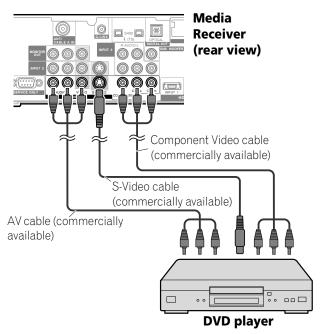
ΝΟΤΕ

• Refer to the relevant instruction manual (DVD player, personal computer, etc.) carefully before making connections.

Watching a DVD image

Connecting a DVD player

Use the INPUT 1 terminals when connecting a DVD player and other audiovisual equipment.



Displaying a DVD image

To watch a DVD image, press **INPUT 1** on the remote control unit or press **INPUT** on the Media Receiver to select INPUT1.

💋 ΝΟΤΕ

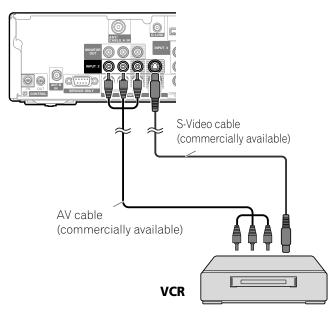
- Refer to your DVD player instruction manual for the signal type.
- The INPUT 1 terminals are checked whether they are connected in the following order; 1) Component Video, 2) S-Video, 3) Video.
 Use the desired connection for viewing.
- Connect external equipment to only terminals that are to be actually used.

Watching a VCR image

Connecting a VCR

Use the INPUT 2 terminals when connecting a VCR and other audiovisual equipment.

Media Receiver (rear view)



Displaying a VCR image

To watch a VCR image, press **INPUT 2** on the remote control unit or press **INPUT** on the Media Receiver to select INPUT2.

💋 ΝΟΤΕ

• The INPUT 2 terminals are checked whether they are connected in the following order; 1) S-Video, 2) Video. Use the desired connection for viewing.

Fn

Using HDMI Input

The INPUT 1 and INPUT 3 terminals include HDMI terminals to which digital video and audio signals can be input. To use the HDMI terminal, activate the terminal and specify the types of video and audio signals to be received from the connected equipment. For the types of these signals, see the operation manual that came with the connected equipment.

Before starting the menu, press **INPUT 1** (or **INPUT 3**) on the remote control unit or press **INPUT** on the Media Receiver to select INPUT 1 (or INPUT 3). For INPUT 3, HDMI has been selected as the factory default.

Input signal correlation table

1920*1080i@59.94/60Hz

720*480p@59.94/60Hz

1280*****720p@59.94/60Hz

720(1440)*480i@59.94/60Hz

For audio, the system supports the following:

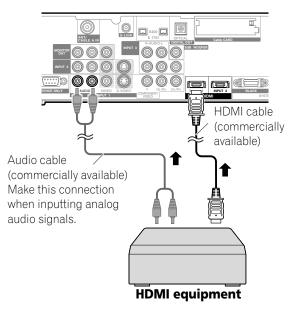
- Linear PCM (STEREO 2ch)
- Sampling frequency: 32 kHz, 44.1 kHz, 48 kHz

🖉 ΝΟΤΕ

• PC signals are not supported.

Connecting HDMI equipment

Media Receiver (rear view)



To activate the HDMI terminal:

- 1 Press HOME MENU.
- 2 Select "Option". (**↑**/**↓** then **ENTER**)
- 3 Select "HDMI Input". (**↑**/**↓** then **ENTER**)
- 4 Select "Setting". (**↑**/**↓** then **ENTER**)
- 5 Select "Enable". (**↑**/**↓** then **ENTER**)

ltem	Description
Disable (factory default)	Deactivates the HDMI terminal.
Enable	Activates the HDMI terminal.

6 Press HOME MENU to exit the menu.

To specify the type of digital video signals:

- 1 Press HOME MENU.
- 2 Select "Option". (**↑**/**↓** then **ENTER**)
- 3 Select "HDMI Input". (**↑**/**↓** then **ENTER**)
- 4 Select "Video". (↑/↓ then ENTER)
- 5 Select the type of digital video signals. (4/4 then ENTER)
 - If you select "Auto", an attempt will be made to identify the type of digital video signals when digital video signals are received.

ltem	Description
Auto (factory default)	Automatically identifies input digital video signals.
Color-1	Digital Component Video signals (4:2:2) locked
Color-2	Digital Component Video signals (4:4:4) locked
Color-3	Digital RGB signals locked

6 Press HOME MENU to exit the menu.

💋 NOTE

- If you select a parameter other than "Auto", make such a setting that results in natural color.
- If no image appears, specify another digital video signal type.
- For the digital video signal types to be specified, check the operation manual that came with the connected equipment.

To specify the type of audio signals:

- 1 Press HOME MENU.
- 2 Select "Option". (↑/↓ then ENTER)
- 3 Select "HDMI Input". (↑/↓ then ENTER)
- 4 Select "Audio". (↑/↓ then ENTER)
- **5** Select the type of audio signals. (\bigstar / \bigstar then **ENTER**)
 - If you select "Auto", an attempt will be made to identify the type of audio signals when audio signals are received.

ltem	Description
Auto (factory default)	Automatically identifies input audio signals.
Digital	Accepts digital audio signals.
Analog	Accepts analog audio signals.

6 Press HOME MENU to exit the menu.

🖉 ΝΟΤΕ

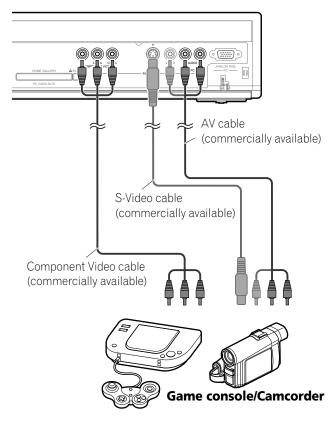
- If no sound is output, specify another audio signal type.
- For the audio signal types to be specified, check the operation manual that came with the connected equipment.
 Depending on the equipment to be connected you also need
- Depending on the equipment to be connected, you also need to connect analog audio cables.

Enjoying a game console or watching camcorder images

Connecting a game console or camcorder

Use the INPUT 4 terminals to connect a game console, camcorder and other audiovisual equipment.

Media Receiver (front view)



🖉 ΝΟΤΕ

 The INPUT 4 terminals are checked whether they are connected in the following order; 1) Component Video, 2) S-Video, 3) Video.
 Use the desired connection for viewing.

Use the desired connection for viewing.

• Connect external equipment to only terminals that are to be actually used.

Displaying an image of the game console or camcorder

To watch an image coming from the game console or camcorder, press **INPUT 4** on the remote control unit or press **INPUT** on the Media Receiver to select INPUT4.

Recording digital TV programs using a VCR

If you connect recording equipment such as a VCR to the MONITOR OUT terminals on the rear of the Media Receiver, you can record, for example, digital TV programs using the recording equipment.

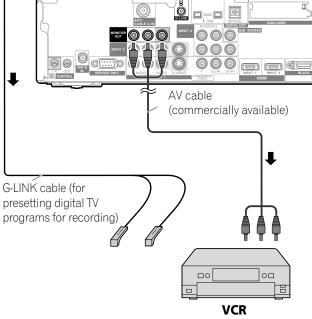
You can also record digital TV programs more easily by using the TV Guide On Screen[™] system. Connect the supplied G-LINK cable to the G-LINK terminal on the rear of the Media Receiver and then position the G-LINK cable's wand so that its light emitting section faces the remote control sensor on the recording equipment. For more information, see page 77.

Avoiding unwanted feedback

You can prevent unwanted feedback from adversely affecting the quality of images. Specify the output terminal whose output is to be inhibited.

- 1 Press HOME MENU.
- 2 Select "Option". (↑/↓ then ENTER)
- 3 Select "Monitor Out". (↑/↓ then ENTER)
- 4 Select "INPUT1 Prohibit", "INPUT2 Prohibit", "INPUT3 Prohibit", or "INPUT4 Prohibit". (↑/↓ then ENTER)
- **5** Press **HOME MENU** to exit the menu.

Connecting a recorder Media Receiver (rear view)



🖉 ΝΟΤΕ

- About the MONITOR OUT terminals The MONITOR OUT terminals cannot output the following signals:
 - 1 Video signals input from the COMPONENT VIDEO terminal
 - 2 Video signals from a personal computer
 - **3** Digital video and audio signals from the HDMI terminals
- When watching images played back on a VCR connected to the MONITOR OUT terminals, select an input source (e.g., TV channel reception) on the recording equipment other than external input sources. Selecting an external input source may result in distorted images or noise.
- Make sure to place the VCR into the standby status when presetting TV programs for recording with the TV Guide On Screen™ system.
- If degraded picture quality is observed while viewing copyprotected VOD movies connect the Media Receiver directly to other TV sets. Do not connect through a VCR.
- Use only one wand on the G-LINK cable to control the recorder.

Connecting other audio equipment

The digital audio output terminal (optical) on this system can output Dolby Digital signals. Using an optical digital cable, connect an AV receiver to the digital audio output terminal (optical) on the rear of the Media Receiver. This allows audio such as digital TV broadcasting to be played in high guality.

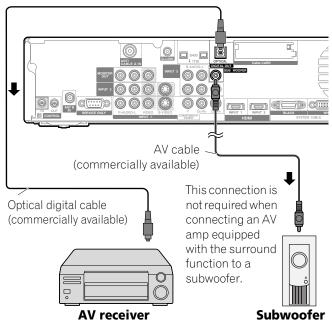
If your AV receiver does not have a digital audio input terminal (optical), connect the MONITOR OUT terminals (AUDIO) on the rear of the Media Receiver to the audio input terminals on the AV receiver.

🖉 ΝΟΤΕ

• When using the digital audio output terminal (optical), you need to make settings depending on your AV receiver. For more information, see the instruction manual that came with the AV receiver.

Connecting an AV receiver

Media Receiver (rear view)



NOTE

- For details, refer to the operation manual for the audio equipment to be connected.
- Audio signals synchronizing with currently displayed images are always output to the MONITOR OUT terminals.
- The audio accompanying the images shown on the display are always output to the SUBWOOFER OUTPUT terminal.
- When signals are input from the HDMI terminals, no digital or analog signals are output from the DIGITAL OUT terminal.

Switching the optical audio signal type

Set up for the DIGITAL AUDIO output terminal (OPTICAL), depending on your AV receiver.

- 1 Press HOME MENU.
- 2 Select "Option". (**↑**/**↓** then **ENTER**)
- **3** Select "Digital Audio Out". (**↑**/**↓** then **ENTER**)
- 4 Select "Dolby Digital" or "PCM". (↑/↓ then ENTER)

Item	Description
PCM (factory default)	Always outputs in the PCM format regardless of the types of signals.
Dolby Digital	For Dolby Digital encoded signals, outputs in the Dolby Digital format. For PCM encoded signals, outputs in the PCM format.

5 Press HOME MENU to exit the menu.

Watching a D-VHS image

What is i.LINK?

i.LINK is a digital serial interface for handling digital video, digital audio, and other data in two directions. i.LINK is Sony's term for the IEEE 1394 data transport bus. Digital AV equipment compatible with i.LINK can be connected using a single i.LINK cable. The i.LINK interface allows this PDP system to control one of up to two connected i.LINKcompatible devices that the system can identify.

Which i.LINK devices are connectable?

For i.LINK devices, this system supports only D-VHS recorders which deal with the MPEG-TS format. The i.LINK terminals on this system cannot be connected with other equipment such as DVD recorders, digital video cameras, personal computers, and PC peripheral devices because of differences in the specifications.

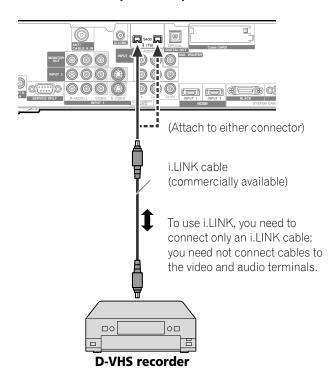
What can be recorded through i.LINK?

With D-VHS recorders connected to this system through i.LINK, you can record only digital TV programs. You cannot record conventional TV channels nor contents coming from external input sources and personal computers.

Connecting D-VHS recorders

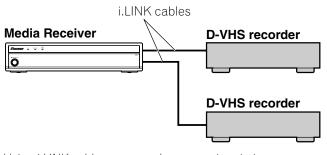
Use the i.LINK terminals when connecting D-VHS recorders.

When connecting a single D-VHS recorder Media Receiver (rear view)

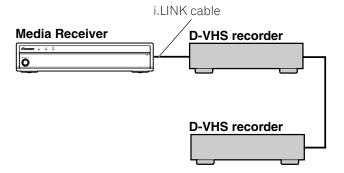


When connecting two D-VHS recorders

You can connect two D-VHS recorders directly to the i.LINK terminals on the rear of the Media Receiver.

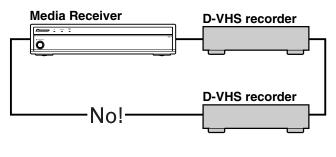


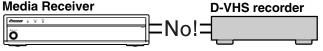
Using i.LINK cables you can also connect up to two D-VHS recorders in a daisy chain.



Precautions about i.LINK connections

- Use S400 i.LINK cables that have 4-pin plugs and are shorter than 3.5 m (11.48 feet).
- Some i.LINK devices cannot relay data when their power is off.
- Do not make the following loop connections:





Displaying a D-VHS image

To watch a D-VHS image, press **i.LINK** on the remote control unit or press **INPUT** on the Media Receiver to select i.LINK.

Useful and important notification

Useful information

- D-VHS recorders connected through i.LINK can play back digital TV programs recorded using this system.
- D-VHS recorders connected through i.LINK can record only digital TV programs. Using i.LINK, those recorders cannot record conventional TV channels nor contents coming from external input sources.
- This system can be simultaneously connected with up to two D-VHS recorders that support i.LINK. You can control one of these D-VHS recorders (basic functions only).
- Some D-VHS recorders connected through i.LINK may not allow this system to control them through the control panel screen, or to display images and output sound.
- To record digital TV programs using connected D-VHS recorders, use D-VHS tape. You cannot use VHS tape nor S-VHS tape.
- Some D-VHS recorders connected though i.LINK may not allow this system to play back images and sound recorded on VHS tape, S-VHS tape, or (if with analog signals) D-VHS tape. If this is the case, connect the analog output terminals on the D-VHS recorder to INPUT 1, 2, 3, or 4 terminals on this system. See page 68.
- This system supports the Digital Transmission Content Protection (DTCP) technology. DTCP is a copy protection technology that presents data coding and device authentication.
- i.LINK may not allow copy-restricted video, audio, and other data to be copied from one i.LINK device to another. It also may not allow video, audio, and other data to be transferred with equipment that does not support the DTCP.
- Connection with a personal computer or its peripheral device can result in malfunction.
- Some TV programs may not allow D-VHS recorders to record or play back properly.

Precautions

- While one D-VHS recorder connected through i.LINK is recording or playing back, do not switch on or off the other connected D-VHS recorder that is not in use. Do not connect or disconnect the i.LINK cable from that D-VHS recorder. Doing so can result in image and sound interruption.
- Some D-VHS recorders that support i.LINK cannot relay data when their power is off. Check the instruction manual that came with your D-VHS recorder.

Setting up for controlling a D-VHS recorder

You can operate the connected D-VHS recorder from the Plasma Display that shows the control panel screen. After making the connections, use the menu to specify the model of the D-VHS recorder to be operated. If you have 2 or more D-VHS recorders connected to the Media Receiver, you can operate a single device at a time.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- 3 Select "i.LINK Setup". (←/→ then ENTER)
- 4 Select the D-VHS recorder model to be operated. (↑/↓ then ENTER)

💷 i.LINK Setup			
D-VHS1 XXXX XXXX	Control		x0000000000000000000000000000000000000
A Connect B Renar	ne 🕜 Move	D Delete	Home Menu Exit

- 5 Press A to select "Connect".
- 6 Press HOME MENU to exit the menu.

💋 NOTE

- The following information appears at the right end of the i.LINK list to indicate the connection status of the D-VHS recorders:
- **Control:** Data connection with the D-VHS recorder has been established and the recorder is ready for control.
- **Link:** The D-VHS recorder has been physically connected, and can be controlled if it is selected for control.
- -: Currently not physically connected
- When connected to any device other than a D-VHS, the device is not listed in the i.LINK List.

Editing the i.LINK Setup

The i.LINK list shows all devices connected through i.LINK interfaces. In this list, you can change the name or order of devices or delete device information.

- 1 Press HOME MENU.
- 2 Select "Tuner Setup". (↑/↓ then ENTER)
- 3 Select "i.LINK Setup". (←/→ then ENTER)
- 4 Select the desired device. (\bigstar/\bigstar)

i.LINK Setup					
¢ D-VHS1 XXXX	XXXX	Control			x0000000000000000000000000000000000000
A Connect	B Rena	me	C Move	D Delete	Home Menu Exit

The following procedure differs depending on what you want to perform.

To change the name of a device:

- 5 Press B to select "Rename".
- 6 Enter up to 7 characters using \bigstar/\bigstar , \bigstar/\bigstar , and ENTER.

🖾 i.LINK Setup	
New Name: D-VHS	
ABCDEFGHIJ	200000000000000000000000000000000000000
K L M N O P Q R S T U V W X Y Z 1 2 3 4	200000000000000000000000000000000000000
567890.@/(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
), : ' & <u>[SPACE</u>]	
A Accept B Clear	D Cancel Home Menu Exit

- 7 Press A.
- 8 Press HOME MENU to exit the menu.

To change the order of devices:

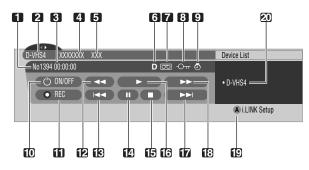
- 5 Press C to select "Move".
- 6 Select the new desired position. (**↑**/**↓** then **ENTER**)
 - The selected device is moved to the selected position.
- 7 Press HOME MENU to exit the menu.

To delete information about a device:

- 5 Press D to select "Delete".
 - A confirmation message appears.
 - A warning message appears if the selected device has been preset for recording or while it is in use. If this is the case, you cannot delete the device that you have selected.
- 6 Press A to execute the deletion.
- 7 Press HOME MENU to exit the menu.

Operating the control panel screen

The control panel screen appears when you press **i.LINK**. It disappears when you press **i.LINK** again. To select a button on the control panel screen, press \uparrow/ \to or $\langle/ \to\rangle$, and then press **ENTER** on the remote control.



- **1** Shows the current status of the D-VHS recorder.
- **2** Shows the name of the currently selected device.
- **3** Shows counter time output by the D-VHS recorder.
- **4** Shows the manufacturer name of the D-VHS recorder to be operated.
- **5** Shows the model name of the D-VHS recorder to be operated.
- 6 Shows the type of inserted video tape; D for D-VHS, S for S-VHS, and no display for VHS.
- 7 Appears when any tape has been inserted.
- 8 Appears when the inserted tape has been write protected. The inserted tape cannot be used for recording when this indicator appears.
- **9** Appears when the D-VHS recorder has been preset for recording and is in the standby mode.
- **10** Switches the D-VHS recorder on and off.
- **11** Starts recording.
- **12** Rewinds the tape.
- **13** Rewinds to the start of the current program.
- **14** Pauses the tape.
- **15** Stops the current tape motion.
- **16** Starts playing back.
- **17** Forwards to the start of the next program.
- **18** Forwards the tape.
- **19** Exits the control panel screen and displays the i.LINK Setup menu.

🕖 ΝΟΤΕ

- If no i.LINK device has been connected, "No i.LINK devices are connected." appears. If this is the case, connect i.LINK devices.
- If none of the connected equipment has been supported for control, you cannot execute control.
- If you have set up to use the TV Guide On Screen[™], the REC button on the control panel works the same way as the REC button on the remote (refer to page 48).

Watching an image from a personal computer

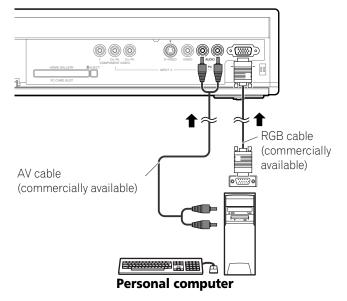
Connecting a personal computer

Use the PC terminals to connect a personal computer.

🖉 NOTE

- The PC input terminals are DDC2B-compatible.
- Plug & Play may not correctly function, depending on the personal computer in use.

Media Receiver (front view)



Displaying an image from a personal computer

When connected to a personal computer, the input signal type is automatically identified. If the personal computer image does not come in clearly, you may need to use Auto Setup. See page 64.

To watch an image coming from the personal computer, press **PC** on the remote control unit or press **INPUT** on the Media Receiver to select "PC".



- The PC terminals cannot be used for audio-visual equipment.
- The INPUT 4 AUDIO terminals are shared between the INPUT 4 and PC input sources. When audio signals are input to these terminals, the same signal type is selected no matter whether you select INPUT 4 or PC.

Signal names for 15-pin mini D-sub connector

$\bigcirc \underbrace{ \begin{pmatrix} 5 & 4 & 3 & 2 & 1 \\ 10 & 9 & 6 & 7 & 6 \\ 15 & 14 & 12 & 1 \\ \hline \end{pmatrix} \bigcirc$

(front view)

Pin No.	Signal name
1	R
2	G
3	В
4	Not connected
5	Not connected
6	GND (ground)
7	GND (ground)
8	GND (ground)
9	+5V
10	GND (ground)
11	Not connected
12	SDA
13	HD
14	VD
15	SCL

-	-	-	
Resolution	Frequency	Remarks	
720 × 400	70 Hz		
640 × 480	60 Hz		
	72 Hz		
	75 Hz		
800 × 600	56 Hz		
	60 Hz		
	72 Hz		
	75 Hz		
1024 × 768	60 Hz		
	70 Hz		
	75 Hz		
1280 × 768	56 Hz		

Computer compatibility chart

60 Hz 70 Hz

ΝΟΤΕ

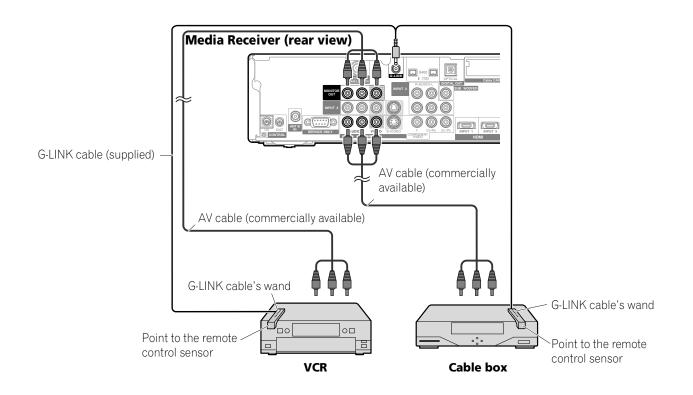
• A Macintosh adaptor may be required for use with some Macintosh computers.

G-LINK™ connection

You need to make this connection, so that the TV Guide On Screen $^{\rm IM}$ system works with your cable box to receive program listings or to enable the system's recording features with your VCR.

💋 NOTE

- In order to use your cable box or VCR with the TV Guide On Screen[™] system, you have to correctly set up for the TV Guide On Screen[™] system. See "TV Guide On Screen[™] System Setup" on page 31.
- Make sure to position the G-LINK cable's wand so that its light emitting section faces the remote control sensor on the cable box or VCR.
- Make sure to place the VCR into the standby status when presetting TV programs for recording with the TV Guide On Screen[™] system.
- Be careful not to leave the cable looped when making the connection.
- If degraded picture quality is observed while viewing copyprotected VOD movies connect the Media Receiver directly to other TV sets. Do not connect through a VCR.
- Use only one wand on the G-LINK cable to control one device.



When connecting both the cable box and VCR

12

Connecting control cords

Connect control cords between the Media Receiver and other PIONEER equipment having the sile logo. You can then operate the connected equipment by sending commands from its remote control unit to the remote control sensor on the Plasma Display.

After the CONTROL IN terminals have been connected, the remote control sensors on the connected equipment do not accept commands from the remote control units. Face the remote control units to the remote control sensor on the Plasma Display when operating the connected equipment.

💋 NOTE

- Make sure that the power is turned off when making connections.
- Complete all component connections before making control cord connections.

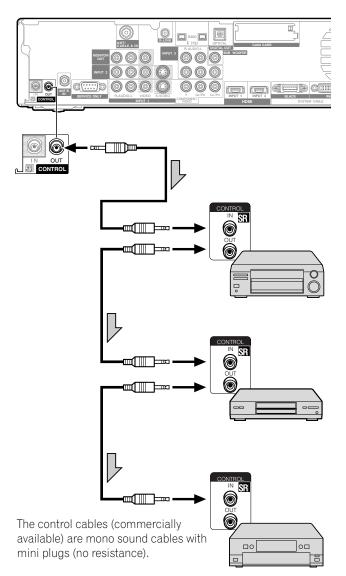
About SR+

The CONTROL OUT terminal on the rear of the Media Receiver supports **SR+**, which allows linked operations with a PIONEER AV receiver. **SR+** presents functions such as the input switch linkage operation function and the DSP surround mode display function. For more information, see the instruction manual that came with the PIONEER AV receiver supporting **SR+**.

ΜΝΟΤΕ

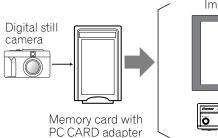
 When the connected equipment is being operated using SR+, the volume on the Plasma Display System is temporarily reduced.

Media Receiver (rear view)



Enjoying through memory cards (Home Gallery function)

On this system, you can watch JPEG images that have been captured and stored in memory cards using a digital still camera.





Readable memory cards

This system can read memory cards that conform to the PCMCIA Type II standard, and whose formats are FAT12, FAT16, FAT32, or VFAT.

Readable data files

This system can read only JPEG files that meet the following conditions:

- Extensions are JPG or JPEG.
- JPEG 4:2:2 and 4:2:0 format
- The image resolution must be less than 2400 pixels in the horizontal direction and 1800 pixels in the vertical direction.
- The image resolution must be higher than 160 pixels in the horizontal direction and 120 pixels in the vertical direction.

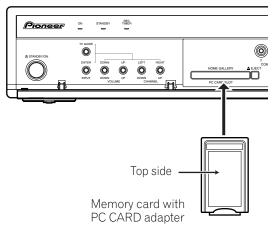
ΝΟΤΕ

- This system may not be able to display images, depending on the type of your PC CARD adapter or memory card.
- This system may not be able to display images modified or edited using a personal computer or other equipment.

Inserting a memory card

- **1** Open the front door on the Media Receiver.
- 2 Hold the memory card with its top side facing upward, and then insert it into the PC CARD slot.
 - Insert the memory card as far as it goes.

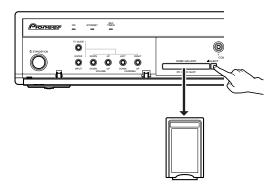
Front of the Media Receiver (with the front door opened)



3 Close the front door on the Media Receiver.

Removing a memory card

To remove a memory card, quit the memory card screen, and then push the **EJECT** button. The memory card is ejected.

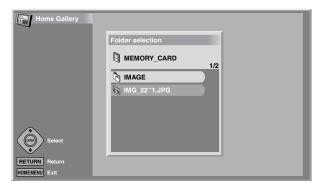


💋 ΝΟΤΕ

- Be sure to quit the Home Gallery screen before removing the memory card. If you remove the memory card while the Home Gallery screen is displayed, data in the memory card may be damaged.
- Do not insert or remove a memory card into/from the PC CARD slot immediately after the system is switched on or off. This may cause data in the memory card to be damaged.

Starting the initial Home Gallery screen

After inserting a memory card into the PC CARD slot, use the Home Menu to start the initial Home Gallery screen.



1 Press HOME MENU.

2 Select "Home Gallery". (**↑**/**↓** then **ENTER**)

Selecting a folder

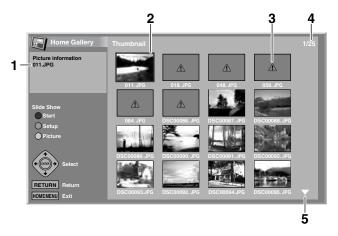
The initial Home Gallery screen shows folders saved in the memory card. Different types of icons appear depending on the contents of folders.

-	Designates a folder that contains another folder.
-	Designates a folder that contains one or more image files.
-	Designates a folder that contains no image file.
-	Designates an image file saved under the root directory.

To select a desired folder, press 4/4 and then **ENTER**. Images in the selected folder are displayed in thumbnail format.

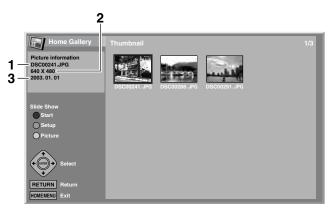
Starting a thumbnail screen

When a folder is selected on the initial Home Gallery screen, images in the folder are displayed in thumbnail format.



- ① File name
- 2 Image selection cursor
- Appears for unreadable images.
- ④ Total number of images in the folder
- (5) Appears when the folder contains more than 16 images. Press \neq/\downarrow to scroll the screen.

To highlight a desired image, press \bigstar and \bigstar to move the cursor. Information about the highlighted image appears at the top left of the screen.



- ① File name
- Number of pixels (horizontal x vertical)
- ③ Save date

Press HOME MENU to quit the Home Gallery function.

Starting a standard single-image screen

When the thumbnail screen is displayed, press \bigstar/\bigstar and \bigstar/\bigstar to highlight a desired image, and then press **ENTER**. The thumbnail screen closes, and only the selected image is displayed.



With the above screen displayed, you can use the following keys to perform various operations:

\neq/\Rightarrow and \neq/\Rightarrow :

Scrolls the displayed image when the entire image is not displayed.

RED:

Displays the image using the full screen. To quit the full-screen display, press **RETURN**. With an image displayed in the full screen, you may press **CH** +/**CH** – to display the next or previous image in the full screen.

GREEN:

Enlarges the displayed image (if allowed by the image).

YELLOW:

Reduces the displayed image (if enlarged by pressing the GREEN button).

BLUE:

Rotates the displayed image clockwise. Each press rotates the image in the sequence; 90°, 180°, and then 270°.

HOME MENU:

Quits the Home Gallery function.

ΝΟΤΕ

- Be careful not to display the same image for an extended period of time. The image may be burnt into the screen, resulting in a residual image.
- Images smaller than 1024 \times 768 pixels are displayed with blank surrounding.
- You may not be able to enlarge or reduce images because of their original sizes.

Starting the Slide Show Setup screen

When the thumbnail screen is displayed, press **GREEN** to start the screen to set up the Slide Show that sequentially changes images.

- Select "Display Mode". (↑/↓)
- 2 Select "Normal" or "Full". (←/→)
 - With "Full" selected, images are displayed using the full screen.
- 3 Select "Playback Order". (↑/↓)
- 4 Select "Name Order" or "Random". (←/→)
- 5 Select "Number Of Times Of Playback". (↑/↓)
- 6 Select "Single Time" or "Loop". (←/→)
 - With "Loop" selected, Slide Show is repeated until **RETURN** is pressed.
- 7 Select "Playback Mode". (↑/↓)
- 8 Select "Auto" or "Manual". (←/→)
 - With "Auto" selected, images are automatically changed at the specified intervals.
 - With "Manual" selected, images are changed each time you press CH +/CH -.

Slide Show Setup		-		
Display Mode	6	Normal		Full
Playback Order	0	Name Order		Random
Number Of Times Of Playback	0	Single time		Loop
Playback Mode	•	Auto		Manual
Interval(sec)		3 5 10	20	30 60 90

- If you have selected "Auto" in step 8, press ↑/↓ to select "Interval(sec)", and then press ◆/→ to select the desired display duration for individual images.
 - You can select from among 3 seconds, 5 seconds, 10 seconds, 20 seconds, 30 seconds, 60 seconds, and 90 seconds.
- **10** To start the Slide Show screen, press the red button.
 - To restore the thumbnail screen, press **RETURN**.
 - To quit the Home Gallery function, press HOME MENU.

Starting the Slide Show screen

After setting up the Slide Show, you can start it to sequentially change the images.

- 1 To start the Slide Show screen, press the red button when the Slide Show Setup screen or a thumbnail screen is displayed.
 - With "Auto" selected for "Playback Mode", images are automatically changed at the specified intervals.
 - With "Manual" selected for "Playback Mode", press CH +/CH to change images.
 - While images are automatically changed, you can stop and hold automatic image change for approximately 90 seconds by pressing **FREEZE**.
- 2 When quitting the Slide Show screen, press **RETURN** to restore the thumbnail screen or **HOME MENU** to quit the Home Gallery function.

💋 NOTE

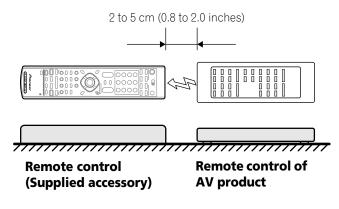
• With "Random" selected for "Playback Order", you cannot press **CH** – to manually change images.

Adjusting the picture quality

When a thumbnail screen is displayed, press **YELLOW**. The same picture adjustment screen as the PC source is displayed. For the subsequent procedure, see page 59.

Learning function of the remote control unit

You can operate the connected AV products (AV Receiver, Cable Box, SAT tuner, VCR, DVD, DVD recorder, LD) using the learning function of your remote control unit. This remote control unit has a function that can memorize each remote control code.



Using the learning function

- 1 Slide the **Mode switch** to match the device whose remote control signal you want to be learned.
- 2 Press EDIT/LEARN and 2 at the same time.
 - The LED flashes.
 - Press a button to be learned.
 - The LED lights up.
 - For the functions that can be learned, see pages 84 to 88.
 - When learning is finished, the LED starts flashing again.
- 4 Press EDIT/LEARN again to exit the Learn mode.

NOTE

3

- To exit the Learn mode before it is complete, press EDIT/ LEARN again.
- If the **Mode switch** selection is changed when in the Learn mode, the Learn mode is canceled.
- If no operation is performed for more than one minute, the Learn mode is canceled.
- It takes about 2 seconds to finish code transmission. Do not interrupt it halfway. Wait until the LED flashes again.
- You can reset all learned codes to the factory defaults. When not in the Learn mode, press and hold TV ひ, and then press FAVORITE A (blue) and FAVORITE D (yellow) at the same time.

Presetting manufacturer codes

- 1 Slide the **Mode switch** to match the device to which you want to preset the remote control signal.
- **2** Press **EDIT/LEARN** and **1** at the same time.
 - The LED flashes.
- **3** Press **0 9** to enter the manufacturer code. See page 83.
 - Preset mode is finished once the LED no longer lights up.

🖉 NOTE

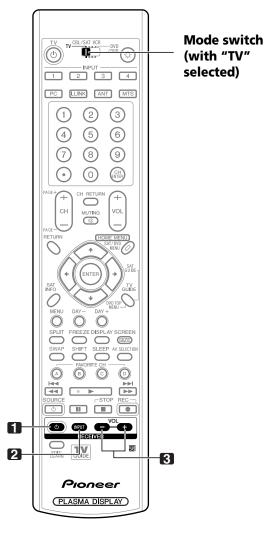
- To exit the Edit mode before it is complete, press EDIT/ LEARN again.
- If the **Mode switch** selection is changed when in the Edit mode, the Edit mode is canceled.
- If no operation is performed for more than one minute, the Edit mode is canceled.
- When you enter a code not listed, the LED flashes quickly.
- If the table on page 83 does not include your device's manufacturer or the remote control does not work, you can make the memory learn its signal by the Learn mode.
- The initial mode is "000" (PIONEER).

Manufacture codes

000 PIONEERI(CABLE) PIONEER PIONEER(CVD) 001 PIONEERI(CABLE) PISHER PANASONIC/DVD) 003 JERROLD2(CABLE) PISHER3 SON(IDVD) 004 JERROLD3(CABLE) PISHER3 SON(IDVD) 005 JERROLD4(CABLE) HITACHI JVCDVD) 006 JERROLD6(CABLE) HITACHI JVCDVD) 006 JERROLD6(CABLE) HITACHI JVCDVD) 006 JERROLD6(CABLE) HITACHI JVCDVD-RECORDER) 007 JERROLD8(CABLE) MITSUBISHI PANASONIC(DVD-RECORDER) 009 JERROLD8(CABLE) MITSUBISHI PANASONIC(DVD-RECORDER) 011 JERROLD8(CABLE) MITSUBISHI PANASONIC(DVD-RECORDER) 011 JERACLBA(CABLE) MITSUBISHIB SAAR(DVD-RECORDER) 013 S.A2(CABLE) MITSUBISHIB SAARP(DVD-RECORDER) 014 S.A3(CABLE) MITSUBISHIB SAARP(DVD-RECORDER) 015 S.A4(CABLE) PANASONICI TOSHIBAC/UD-RECORDER) 016 ZENITHI(CABLE)		CABLE/SAT	VCR	DVD/DVR
001 PIONEER2(CABLE) FISHER PANASONIC(DVD) 002 JERROLD1(CABLE) FISHER2 SAMSUNG(DVD) 003 JERROLD2(CABLE) FISHER2 SAMSUNG(DVD) 004 JERROLD3(CABLE) FISHER3 SONY(DVD) 005 JERROLD4(CABLE) HITACHI JVC(DVD) 006 JERROLD5(CABLE) HITACHI JVC(DVD) 007 JERROLD6(CABLE) HITACHI2 PIONEER2(DVD-RECORDER) 007 JERROLD6(CABLE) MITSUBISHI PANASONIC(DVD-RECORDER) 010 JERROLD9(CABLE) MITSUBISHI PANASONIC2(DVD-RECORDER) 011 JERROLD9(CABLE) MITSUBISHI3 PANASONIC2(DVD-RECORDER) 012 SA.1(CABLE) MITSUBISHI3 PANASONIC2(DVD-RECORDER) 013 SA.2(CABLE) MITSUBISHI5 SHARP2(DVD-RECORDER) 014 S.A.3(CABLE) PANASONIC2 TOSHIBA(DVD-RECORDER) 015 S.A.4(CABLE) PANASONIC2 TOSHIBA(DVD-RECORDER) 016 ZENTH1(CABLE) PANASONIC2 TOSHIBA(DVD-RECORDER) 017	000			
002 JERROLD1(CABLE) FISHER2 SAMSUNG(DVD) 003 JERROLD2(CABLE) FISHER3 SONY(DVD) 004 JERROLD3(CABLE) GOLDSTAR TOSHIBA(DVD) 005 JERROLD3(CABLE) HITACHI JVC(DVD) 006 JERROLD6(CABLE) HITACHI JVC(DVD) 007 JERROLD6(CABLE) MITSUBISHI PIONEER3(DVD-RECORDER) 008 JERROLD8(CABLE) MITSUBISHI PANASONIC2(DVD-RECORDER) 009 JERROLD9(CABLE) MITSUBISHI3 PANASONIC2(DVD-RECORDER) 011 JERROLD9(CABLE) MITSUBISHI3 PANASONIC2(DVD-RECORDER) 012 S.A.3(CABLE) MITSUBISHI5 SHARP(DVD-RECORDER) 013 S.A.3(CABLE) MITSUBISHI5 SHARP(DVD-RECORDER) 014 S.A.3(CABLE) MITSUBISHI5 SHARP(DVD-RECORDER) 015 S.A.4(CABLE) PANASONIC2 TOSHIBA(DVD-RECORDER) 016 ZENITH3(CABLE) RANSONIC3 TOSHIBA(DVD-RECORDER) 017 ZENITH3(CABLE) RCA2 OCO 018 RC	_			
003 JERROLD2(CABLE) FISHER3 SONY(DVD) 004 JERROLD3(CABLE) GOLDSTAR TOSHIBA(DVD) 005 JERROLD4(CABLE) HITACHI JVC(DVD) 006 JERROLD5(CABLE) HITACHI PIONEER2(DVD-RECORDER) 007 JERROLD6(CABLE) HITACHI PIONEER2(DVD-RECORDER) 009 JERROLD6(CABLE) MITSUBISHI PANASONIC(2)/D-RECORDER) 009 JERROLD9(CABLE) MITSUBISHI PANASONIC2/DVD-RECORDER) 011 JERROLD0(CABLE) MITSUBISHI PANASONIC2/DVD-RECORDER) 012 S.A.1(CABLE) MITSUBISHI PANASONIC3/DVD-RECORDER) 013 S.A.2(CABLE) MITSUBISHIS SHARP(DVD-RECORDER) 014 S.A.3(CABLE) MITSUBISHIS SHARP(DVD-RECORDER) 015 S.A.4(CABLE) PANASONIC2 TOSHIBA(DVD-RECORDER) 016 ZENITH1(CABLE) PANASONIC3 ODRER 017 ZENITH3(CABLE) RCA2 ODRE 020 PIONEER(SAT) RCA2 ODRE 021 RCA1(SAT)				
004 JERROLD3(CABLE) GOLDSTAR TOSHIBA(DVD) 005 JERROLD4(CABLE) HITACHI JVC(DVD) 006 JERROLD5(CABLE) HITACHI PIONEERR(DVD-RECORDER) 007 JERROLD6(CABLE) HITACHI3 PIONEER2(DVD-RECORDER) 008 JERROLD6(CABLE) MITSUBISHI PANASONIC2(DVD-RECORDER) 010 JERROLD9(CABLE) MITSUBISHI PANASONIC2(DVD-RECORDER) 011 JERROLD10(CABLE) MITSUBISHI3 PANASONIC2(DVD-RECORDER) 011 JERROLD10(CABLE) MITSUBISHI5 SHARP(DVD-RECORDER) 011 JERROLD10(CABLE) MITSUBISHI5 SHARP(DVD-RECORDER) 011 SA.2(CABLE) MITSUBISHI5 SHARP(DVD-RECORDER) 013 SA.2(CABLE) PANASONIC2 TOSHIBA(DVD-RECORDER) 014 SA.4(CABLE) PANASONIC3 TOSHIBA(DVD-RECORDER) 015 SA.4(CABLE) PANASONIC3 TOSHIBA(DVD-RECORDER) 016 ZENITH1(CABLE) PANASONIC3 TOSHIBA(DVD-RECORDER) 017 ZENTH2(CABLE) RCA2 TOSHIBA(DVD-RECORDER)				
005 JERROLD4(CABLE) HITACHI JVC(DVD) 006 JERROLD5(CABLE) HITACHI2 PIONEER(DVD-RECORDER) 007 JERROLD6(CABLE) HITACHI3 PIONEER2(DVD-RECORDER) 008 JERROLD8(CABLE) MITSUBISHI PANASONIC(DVD-RECORDER) 009 JERROLD8(CABLE) MITSUBISHI2 PANASONIC2(DVD-RECORDER) 011 JERROLD8(CABLE) MITSUBISHI2 PANASONIC2(DVD-RECORDER) 011 JERROLD9(CABLE) MITSUBISHI3 PANASONIC2(DVD-RECORDER) 011 JERROLD8(CABLE) MITSUBISHI3 PANASONIC2(DVD-RECORDER) 012 SA.4(CABLE) MITSUBISHI5 SHARP2(DVD-RECORDER) 014 S.A.3(CABLE) PANASONIC TOSHIBAQ/DVD-RECORDER) 015 S.A.4(CABLE) PANASONIC3 TOSHIBAQ/DVD-RECORDER) 016 ZENITH1(CABLE) PANASONIC3 TOSHIBAQ/DVD-RECORDER) 017 ZENITH2(CABLE) RCA2 TOSHIBAQ/DVD-RECORDER) 018 ZENITH1(CABLE) RCA2 TOSHIBAQ/DVD-RECORDER) 021 RCA2 POINEER(LD) TOSHIBAQ/DVD-				
006 JERROLDS(CABLE) HITACHI2 PIONEER(DVD-RECORDER) 007 JERROLDG(CABLE) HITACHI3 PIONEER2(DVD-RECORDER) 008 JERROLD7(CABLE) MAGNAVOX2 PIONEER2(DVD-RECORDER) 009 JERROLD7(CABLE) MITSUBISHI PANASONIC2(DVD-RECORDER) 010 JERROLD3(CABLE) MITSUBISHI2 PANASONIC2(DVD-RECORDER) 011 JERROLD10(CABLE) MITSUBISHI3 PANASONIC3(DVD-RECORDER) 012 S.A.1(CABLE) MITSUBISHI3 PANASONIC3(DVD-RECORDER) 013 S.A.2(CABLE) MITSUBISHI5 SHARP(DVD-RECORDER) 014 S.A.3(CABLE) PANASONIC TOSHIBA(DVD-RECORDER) 015 S.A.4(CABLE) PANASONIC2 TOSHIBA(DVD-RECORDER) 016 ZENITH1(CABLE) PANASONIC2 TOSHIBA(DVD-RECORDER) 017 ZENITH3(CABLE) RCA 019 018 ZENITH3(CABLE) RCA2 000 019 RCA2 000 1010 021 RCA1(SAT) SANYO KENWOODI(LD) 022 RCA2(SAT)<				
007 JERROLD6(CABLE) HITACHI3 PIONEER2(DVD-RECORDER) 008 JERROLD7(CABLE) MAGNAVOX2 PIONEER3(DVD-RECORDER) 009 JERROLD8(CABLE) MITSUBISHI PANASONIC2(DVD-RECORDER) 011 JERROLD9(CABLE) MITSUBISHI2 PANASONIC2(DVD-RECORDER) 011 JERROLD10(CABLE) MITSUBISHI3 PANASONIC2(DVD-RECORDER) 012 S.A.1(CABLE) MITSUBISHI3 PANAPDVD-RECORDER) 013 S.A.2(CABLE) MITSUBISHI5 SHARPIDVD-RECORDER) 014 S.A.3(CABLE) PANASONIC TOSHIBA(DVD-RECORDER) 015 S.A.4(CABLE) PANASONIC TOSHIBA(DVD-RECORDER) 016 ZENITH3(CABLE) PANASONIC3 OIDARECORDER) 017 ZENTH2(CABLE) PANASONIC3 OIDARECORDER) 018 ZENITH3(CABLE) RCA OIDONEER(SAT) 020 PIONEER(SAT) RCA2 OIDONEER(SAT) 021 RCA1(SAT) SANYO2 PANASONIC1(D) 022 RCA2(SAT) SANYO3 PANASONIC2(LD)		· · · · ·		
008 JERROLD7(CABLE) MAGNAVOX2 PIONEER3(DVD-RECORDER) 009 JERROLD8(CABLE) MITSUBISHI PANASONIC/DVD-RECORDER) 011 JERROLD9(CABLE) MITSUBISHI2 PANASONIC/DVD-RECORDER) 011 JERROLD10(CABLE) MITSUBISHI8 PANASONIC3(DVD-RECORDER) 012 S.A.1(CABLE) MITSUBISHI6 SHARP(DVD-RECORDER) 013 S.A.2(CABLE) MITSUBISHI6 SHARP(DVD-RECORDER) 014 S.A.3(CABLE) MITSUBISHI6 SHARP2(DVD-RECORDER) 015 S.A.4(CABLE) PANASONIC TOSHIBA2(DVD-RECORDER) 016 ZENITH2(CABLE) PANASONIC3 TOSHIBA2(DVD-RECORDER) 017 ZENITH2(CABLE) PANASONIC3 TOSHIBA2(DVD-RECORDER) 018 ZENITH3(CABLE) RCA 019 020 PIONEER(SAT) RCA3 PIONEER(LD) 021 RCA1(SAT) SANYO2 PANASONIC1(D) 022 RCA2(SAT) SANYO2 PANASONIC1(D) 023 SONY(SAT) SANYO3 PANASONIC1(D) 024 SHARP				
009 JERROLD8(CABLE) MITSUBISHI PANASONIC(DVD-RECORDER) 010 JERROLD9(CABLE) MITSUBISHI2 PANASONIC2(DVD-RECORDER) 011 JERROLD10(CABLE) MITSUBISHI3 PANASONIC3(DVD-RECORDER) 012 S.A.1(CABLE) MITSUBISHI4 PHILIPS(DVD-RECORDER) 013 S.A.2(CABLE) MITSUBISHI6 SHARP(DVD-RECORDER) 014 S.A.3(CABLE) MITSUBISHI6 SHARP(DVD-RECORDER) 015 S.A.4(CABLE) PANASONIC TOSHIBA(DVD-RECORDER) 016 ZENITH1(CABLE) PANASONIC2 TOSHIBA(DVD-RECORDER) 017 ZENITH3(CABLE) PANASONIC3 ODI 018 ZENITH3(CABLE) RCA2 000 019 RCA2 001 RCA1(SAT) 019 RCA2 001 022 020 PIONEER(SAT) SANYO KENWOOD(LD) 022 RCA2(SAT) SANYO PANASONIC2(LD) 023 SONY(SAT) SANYO PANASONIC2(LD) 024 SHARP2 PHILIPS(LD) <t< td=""><td></td><td>· · · · ·</td><td></td><td>. ,</td></t<>		· · · · ·		. ,
010 JERROLD9(CABLE) MITSUBISHI2 PANASONIC2(DVD-RECORDER) 011 JERROLD10(CABLE) MITSUBISHI3 PANASONIC3(DVD-RECORDER) 012 S.A.1(CABLE) MITSUBISHI4 PHILIPS(DVD-RECORDER) 013 S.A.2(CABLE) MITSUBISHI6 SHARP(DVD-RECORDER) 014 S.A.3(CABLE) MITSUBISHI6 SHARP(DVD-RECORDER) 015 S.A.4(CABLE) PANASONIC TOSHIBA(DVD-RECORDER) 016 ZENITH1(CABLE) PANASONIC3 OTOSHIBA(DVD-RECORDER) 017 ZENITH3(CABLE) PANASONIC3 OTOSHIBA(DVD-RECORDER) 018 ZENITH3(CABLE) RCA OTO 019 RCA2 OCO PIONEER(LD) 021 RCA1(SAT) SANYO2 PANASONIC3(LD) 022 RCA2(SAT) SANYO2 PANASONIC1(LD) 023 SONY(SAT) SANYO2 PANASONIC2(LD) 024 SHARP2 PHILIPS(LD) OCO 025 SHARP2 RCA(LD) OCO 026 SHARP2 SONY(MDP) OCO <td></td> <td></td> <td></td> <td>, , ,</td>				, , ,
011 JERROLD10(CABLE) MITSUBISHIA PANASONIC3(DVD-RECORDER) 012 S.A.1(CABLE) MITSUBISHIA PHILIPS(DVD-RECORDER) 013 S.A.2(CABLE) MITSUBISHI6 SHARP(DVD-RECORDER) 014 S.A.3(CABLE) MITSUBISHI6 SHARP(DVD-RECORDER) 015 S.A.4(CABLE) PANASONIC TOSHIBA(DVD-RECORDER) 016 ZENITH1(CABLE) PANASONIC2 TOSHIBA2(DVD-RECORDER) 017 ZENITH2(CABLE) PANASONIC3 000000000000000000000000000000000000				
012 S.A.1(CABLE) MITSUBISHIA PHILIPS(DVD-RECORDER) 013 S.A.2(CABLE) MITSUBISHI5 SHARP(DVD-RECORDER) 014 S.A.3(CABLE) MITSUBISHI6 SHARP(DVD-RECORDER) 015 S.A.4(CABLE) PANASONIC TOSHIBA(DVD-RECORDER) 016 ZENITH1(CABLE) PANASONIC2 TOSHIBA(DVD-RECORDER) 017 ZENITH2(CABLE) PANASONIC3 OUD-RECORDER) 018 ZENITH3(CABLE) RCA O109 019 RCA2 O20 PIONEER(SAT) RCA3 021 RCA1(SAT) SANYO2 PANASONIC2(LD) O22 022 RCA2(SAT) SANYO3 PANASONIC2(LD) O24 023 SONY(SAT) SANYO3 PANASONIC2(LD) O25 024 SHARP PHILIPS(LD) O26 SHARP3 SONY(MDP) 027 SONY(BETA) SONY(MDP) O27 SONY(BETA) SONY(LD) 028 SONY(VHS) O29 SONY(MDP) O27 O30 O31 JVC4 O32				
013 S.A.2(CABLE) MITSUBISHIS SHARP(DVD-RECORDER) 014 S.A.3(CABLE) MITSUBISHIB SHARP2(DVD-RECORDER) 015 S.A.4(CABLE) PANASONIC TOSHIBA(DVD-RECORDER) 016 ZENITH1(CABLE) PANASONIC2 TOSHIBA(DVD-RECORDER) 017 ZENITH2(CABLE) PANASONIC3 0118 018 ZENITH2(CABLE) PANASONIC3 0129 019 RCA2 020 PIONEER(SAT) RCA3 012 RCA1(SAT) SANYO2 PANASONIC1(LD) 022 021 RCA1(SAT) SANYO2 PANASONIC2(LD) 024 022 RCA2(SAT) SANYO3 PANASONIC2(LD) 025 024 SHARP PHILIPS(LD) 026 SHARP3 SONY(MDP) 025 SHARP3 SONY(MDP) 027 SONY(BETA) SONY(LD) 028 SONY(VHS) SONY(LD) 029 SONY(MDP) 030 TOSHIBA 031 JVC 033 JVC3 033 JVC2				
014 S.A.3(CABLE) MITSUBISHI6 SHARP2(DVD-RECORDER) 015 S.A.4(CABLE) PANASONIC TOSHIBA(DVD-RECORDER) 016 ZENITH1(CABLE) PANASONIC2 TOSHIBA(DVD-RECORDER) 017 ZENITH2(CABLE) PANASONIC3 0118 018 ZENITH3(CABLE) RCA 019 020 PIONEER(SAT) RCA3 PIONEER(LD) 021 RCA1(SAT) SANYO2 PANASONIC1(LD) 022 RCA2(SAT) SANYO2 PANASONIC2(LD) 024 SHARP PHILIPS(LD) 024 025 SHARP3 SONY(MDP) 025 026 SHARP3 SONY(MDP) 027 027 SONY(BETA) SONY(MDP) 029 028 SONY(VHS) 029 SONY(MBM) 030 TOSHIBA 031 JVC 032 JVC2 033 JVC3 033 JVC3 036 ZENITH 037 MITSUBISHI(J-3) 038 SHARP(J-2) <td< td=""><td></td><td></td><td></td><td></td></td<>				
015 S.A.4(CABLE) PANASONIC TOSHIBA(DVD-RECORDER) 016 ZENITH1(CABLE) PANASONIC2 TOSHIBA(DVD-RECORDER) 017 ZENITH2(CABLE) PANASONIC3 0113 018 ZENITH3(CABLE) RCA 019 019 RCA2 020 PIONEER(SAT) RCA3 PIONEER(LD) 021 RCA1(SAT) SANYO KENWOOD(LD) 022 RCA2(SAT) SANYO2 PANASONIC1(LD) 022 RCA2(SAT) SANYO3 PANASONIC1(LD) 023 SONY(SAT) SANYO3 PANASONIC2(LD) 024 SHARP PHILIPS(LD) 025 SHARP2 RCA(LD) 026 025 SHARP3 SONY(MDP) 027 SONY(BETA) SONY(DD) 028 029 SONY(Rom) 030 TOSHIBA 031 JVC 032 032 JVC2 033 031 JVC 032 032 JVC5 036 ZENITH 037 MITSUBISH(J-3) 038 SHARP(J-2) 039 PANASONIC(J-3) 0				· · ·
016 ZENITH1(CABLE) PANASONIC2 TOSHIBA2(DVD-RECORDER) 017 ZENITH2(CABLE) PANASONIC3 018 018 ZENITH3(CABLE) RCA 019 RCA2 020 PIONEER(SAT) RCA3 PIONEER(LD) 021 RCA1(SAT) SANYO KENWOOD(LD) 022 RCA2(SAT) SANYO2 PANASONIC1(LD) 023 SONY(SAT) SANYO3 PANASONIC2(LD) 024 SHARP PHILIPS(LD) 025 SHARP2 RCA(LD) 026 027 SONY(BETA) SONY(MDP) 027 SONY(MBETA) SONY(LD) 028 SONY(VHS) 029 SONY(MBT) 030 TOSHIBA 031 JVC 032 JVC2 033 034 JVC4 035 JVC5 036 ZENITH 037 MITSUBISHI(J-3) 038 SHARP(J-2) 039 PANASONIC(J-3) 040 TOSHIBA(J-3) 041 GRANDIENTE 042 AKAI 042 AKAI 043 PIONEE				. ,
017 ZENITH2(CABLE) PANASONIC3 018 ZENITH3(CABLE) RCA 019 RCA2 020 PIONEER(SAT) RCA3 021 RCA1(SAT) SANYO 022 RCA2(SAT) SANYO2 023 SONY(SAT) SANYO3 024 SHARP PHILIPS(LD) 025 SHARP2 RCA(LD) 026 SHARP3 SONY(MDP) 027 SONY(BETA) SONY(LD) 028 SONY(VHS) O29 030 TOSHIBA SONY(LD) 031 JVC O32 033 JVC3 O34 034 JVC4 O35 035 JVC5 O36 038 SHARP(J-2) 039 PANASONIC(J-3) 040 TOSHIBA(J-3) 041 GRANDIENTE 042 AKAI 043 PIONEER2 044 SANYO4 045 MATSUI				
018 ZENITH3(CABLE) RCA 019 RCA2 020 PIONEER(SAT) RCA3 PIONEER(LD) 021 RCA1(SAT) SANYO KENWOOD(LD) 022 RCA2(SAT) SANYO2 PANASONIC1(LD) 023 SONY(SAT) SANYO3 PANASONIC2(LD) 024 SHARP PHILIPS(LD) 025 SHARP2 RCA(LD) 026 SHARP3 SONY(MDP) 027 SONY(BETA) SONY(LD) 028 SONY(VHS) 029 SONY(BETA) SONY(LD) 028 SONY(C2 033 JVC2 033 JVC2 033 JVC2 033 JVC2 033 JVC3 034 JVC4 035 JVC5 036 ZENITH 037 MITSUBISHI(J-3) 038 SHARP(J-2) 039 PANASONIC(J-3) 041 GRA				
019 RCA2 020 PIONEER(SAT) RCA3 PIONEER(LD) 021 RCA1(SAT) SANYO KENWOOD(LD) 022 RCA2(SAT) SANYO2 PANASONIC1(LD) 023 SONY(SAT) SANYO3 PANASONIC2(LD) 024 SHARP PHILIPS(LD) 025 SHARP2 RCA(LD) 026 SHARP3 SONY(MDP) 027 SONY(BETA) SONY(MDP) 028 SONY(VHS) 0029 030 TOSHIBA SONY(BETA) 031 JVC 032 032 JVC2 033 034 JVC4 035 035 JVC5 036 038 SHARP(J-2) 039 039 PANASONIC(J-3) 041 041 GRANDIENTE 042 042 AKAI 044 043 PIONEER2 044 044 SANYO4 045 046 AIWA 047 <tr< td=""><td></td><td></td><td></td><td></td></tr<>				
020 PIONEER(SAT) RCA3 PIONEER(LD) 021 RCA1(SAT) SANYO KENWOOD(LD) 022 RCA2(SAT) SANYO3 PANASONIC1(LD) 023 SONY(SAT) SANYO3 PANASONIC2(LD) 024 SHARP PHILIPS(LD) 025 SHARP2 RCA(LD) 026 SHARP3 SONY(MDP) 027 SONY(BETA) SONY(MDP) 028 SONY(HETA) SONY(MDP) 029 SONY(BETA) SONY(MDP) 030 TOSHIBA 031 031 JVC 032 032 JVC2 033 034 JVC4 035 035 JVC5 036 038 SHARP(J-2) 039 039 PANASONIC(J-3) 041 041 GRANDIENTE 042 042 AKAI 043 043 PIONEER2 044 044 SANYO4 045 046 AIWA				
021 RCA1(SAT) SANYO KENWOOD(LD) 022 RCA2(SAT) SANYO2 PANASONIC1(LD) 023 SONY(SAT) SANYO3 PANASONIC2(LD) 024 SHARP PHILIPS(LD) 025 SHARP2 RCA(LD) 026 SHARP3 SONY(MDP) 027 SONY(BETA) SONY(MDP) 028 SONY(HS) 029 029 SONY(Bmm) 030 030 TOSHIBA 031 031 JVC 032 033 JVC3 034 034 JVC4 035 036 ZENITH 037 038 SHARP(J-2) 039 039 PANASONIC(J-3) 040 041 GRANDIENTE 042 042 AKAI 043 043 PIONEER2 044 044 SANYO4 045 044 SANYO4 045 045 MATSUI 046 0		PIONEER(SAT)	RCA3	PIONEER(LD)
022 RCA2(SAT) SANY02 PANASONIC1(LD) 023 SONY(SAT) SANY03 PANASONIC2(LD) 024 SHARP PHILIPS(LD) 025 SHARP2 RCA(LD) 026 SHARP2 RCA(LD) 026 SHARP3 SONY(MDP) 027 SONY(BETA) SONY(UD) 028 SONY(VHS) 029 030 TOSHIBA 031 031 JVC 032 032 JVC2 033 034 JVC4 035 037 MITSUBISHI(J-3) 038 SHARP(J-2) 039 PANASONIC(J-3) 040 TOSHIBA(J-3) 041 GRANDIENTE 042 AKAI 043 PIONEER2 044 SANY04 045 MATSUI 046 AIWA 047 ALBA81 048 BUSH 049 THOMSON 050 BAIRD <td></td> <td></td> <td></td> <td>. ,</td>				. ,
023 SONY(SAT) SANY03 PANASONIC2(LD) 024 SHARP PHILIPS(LD) 025 025 SHARP2 RCA(LD) 026 SHARP3 SONY(MDP) 027 SONY(BETA) SONY(LD) 028 SONY(VHS) 029 029 SONY(8mm) 030 030 TOSHIBA 031 031 JVC 032 032 JVC2 033 033 JVC3 034 034 JVC4 035 035 JVC5 036 038 SHARP(J-2) 039 039 PANASONIC(J-3) 040 TOSHIBA(J-3) 041 GRANDIENTE 042 AKAI 043 PIONEER2 044 SANY04 045 MATSUI 046 AIWA 047 ALBA81 048 BUSH 049 THOMSON 050 BAIRD <td></td> <td></td> <td></td> <td>. ,</td>				. ,
024 SHARP PHILIPS(LD) 025 SHARP2 RCA(LD) 026 SHARP3 SONY(MDP) 027 SONY(BETA) SONY(LD) 028 SONY(VHS) 029 030 TOSHIBA 031 031 JVC 032 032 JVC2 033 034 JVC4 035 035 JVC5 036 038 SHARP(J-2) 038 039 PANASONIC(J-3) 040 041 GRANDIENTE 042 043 PIONEER2 044 043 PIONEER2 044 045 MATSUI 046 047 ALBA81 048 049 THOMSON 050 051 TELEFUNKEN 051				
025 SHARP2 RCA(LD) 026 SHARP3 SONY(MDP) 027 SONY(BETA) SONY(LD) 028 SONY(VHS) 029 020 TOSHIBA 030 030 TOSHIBA 031 031 JVC 032 032 JVC2 033 034 JVC4 035 035 JVC5 036 037 MITSUBISHI(J-3) 038 038 SHARP(J-2) 039 039 PANASONIC(J-3) 040 041 GRANDIENTE 042 042 AKAI 043 043 PIONEER2 044 043 PIONEER2 044 045 MATSUI 046 047 ALBA81 049 049 THOMSON 050 051 TELEFUNKEN 051				
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047 ALBA81 048 BUSH 049 THOMSON 050 BAIRD 051 TELEFUNKEN	045		MATSUI	
048 BUSH 049 THOMSON 050 BAIRD 051 TELEFUNKEN	046		AIWA	
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051 TELEFUNKEN	049		THOMSON	
	050		BAIRD	
052 ALBA	051		TELEFUNKEN	
	052		ALBA	

053 Grundig1 054 Grundig2 055 Grundig3 056 SONY2 057 SONY3 058 SONY4 059 RCA4 060 PHILPS 061 PHILPS2 062 PHILPS3 063 PHILPS4 064 PHILPS5 065 PHILPS5 066 SAMSUNG2 068 SAMSUNG2 068 SAMSUNG2 068 SAMSUNG2 069 SAMSUNG4 070 SAMSUNG5 071 SAMSUNG6 072 MARANTZ 073 MARANTZ 074 GE 075 GE2 076 GE3 077 YAMAHA 078 YAMAHA 079 YAMAHA 080 YAMAHA 081 Curtis-Mathes2 082 Curtis-Mathes2 083	CABLE/SAT	VCR DVD/DVR
054 Grundig2 055 Grundig3 056 SONY2 067 SONY3 058 SONY4 059 RCA4 060 PHILIPS 061 PHILIPS2 062 PHILIPS3 063 PHILIPS5 064 PHILIPS5 065 PHILIPS5 066 SAMSUNG 067 SAMSUNG2 068 SAMSUNG3 069 SAMSUNG4 070 SAMSUNG5 071 SAMSUNG6 072 MARANTZ 073 MARANTZ 074 GE 075 GE2 076 GE3 077 YAMAHA2 078 YAMAHA3 080 YAMAHA3 081 Curtis-Mathes2 082 Curtis-Mathes3 084 FUNAI 085 ADMIRAL 086 KENWOOD 087 <td>053</td> <td>Grundig1</td>	053	Grundig1
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087 KENWOOD2 088 KENWOOD3 089 NEC 090 NEC2 091 NEC3 092 NEC4 093 WARDS 094 WARDS2 095 WARDS4 097 MEMOREX 098 MEMOREX 099 JCPenney 100 JCPenney2 101 JCPenney4 102 JCPenney5	085	ADMIRAL
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Using the remote control unit to control other devices



Receiver control buttons

When a Pioneer receiver is connected to the display, the receiver can be operated using buttons ${\bf 1}$ to ${\bf 3}$.

When a non-Pioneer receiver is connected to the display, the signals for **1** to **3** must first be learned before operating. See page 82.

1 RECEIVER (STANDBY/ON)

Turns the receiver power on and off.

2 RECEIVER INPUT

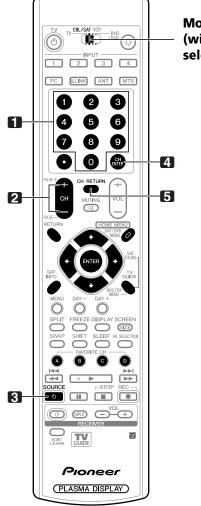
Selects the input source connected to the receiver.

3 RECEIVER VOL +/-

Adjusts the receiver volume level. Press **VOL +** to increase the volume and **VOL –** to decrease it.

💋 NOTE

• The color-highlighted buttons on the remote control can learn the control signal from another device's remote control.



Mode switch (with "CBL/SAT" selected)

Cable control buttons

When the **Mode switch** is set to CBL/SAT, the cable converter connected to the display can be operated using **1** to **5**.

Cable converters made by other manufacturers and not preset can also be operated using the remote control unit if **1** to **5** have learned the functions. See page 82.

1 0 – 9

Press a button (or buttons) that corresponds to the channel that you want to watch.

2 CH +/-

Selects a higher or lower channel.

3 SOURCE O Turns the cable converter power on and off.

4 CH ENTER *

Enters the selected channel with the direct channel selection buttons.

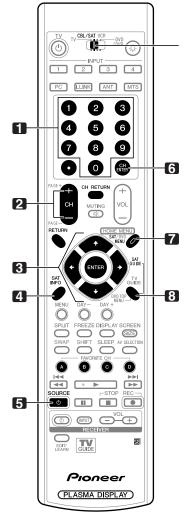
5 CH RETURN *

Switches between the current channel and the channel you were watching immediately before.

* Some manufacturers do not preset **CH ENTER** and **CH RETURN**. Set up these buttons with the learning function if necessary.

🖉 NOTE

- CABLE and SAT cannot be selected at the same time.
- The color-highlighted buttons on the remote control can learn the control signal from another device's remote control.



Mode switch (with "CBL/SAT"

selected)

SAT control buttons

When the SAT function has been preset by the learning function of the remote control, the remote control unit buttons will function as shown below.

• When the Mode switch is set to CBL/SAT, satellite broadcast tuners made by other manufacturers and not preset can also be operated with the remote control unit if 1 to 8 have learned the functions. See page 82.

1 0 - 9

Press a button (or buttons) that corresponds to the channel that you wish to watch.

2 CH +/-

Selects a higher or lower channel.

3 ENTER, **↑/↓**/**↓**/**↓**/

ENTER: Activates the selected function.

/////: Selects items on the SAT GUIDE screen or SAT MENU screen.

4 SAT INFO

Displays information on satellite broadcasting.

• Set up this button with the learning function if necessary.

5 SOURCE 🖒

Turns the Satellite broadcast tuner power on and off.

CH ENTER 6

Enters the selected channel with the direct channel selection buttons.

· Set up this button with the learning function if necessary.

7 SAT MENU

Displays the satellite broadcasting menu screen.

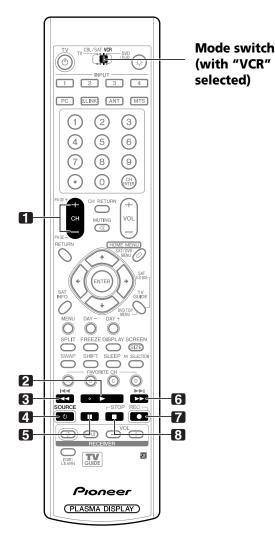
SAT GUIDE 8

Displays the satellite broadcasting guide screen.

NOTE

• CABLE and SAT cannot be selected at the same time.

• The color-highlighted buttons on the remote control can learn the control signal from another device's remote control.



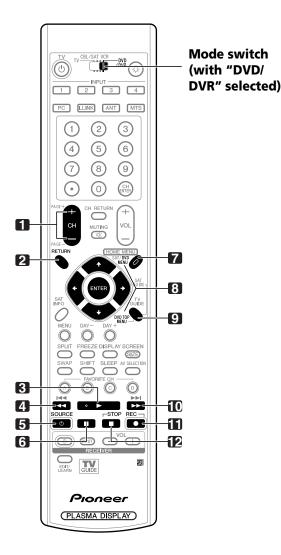
VCR control buttons

When the VCR is preset by the learning function of the remote control, the remote control unit buttons will function as follows when the **Mode switch** of the remote control unit is set to VCR.

- Press the input selector button INPUT 1–4 that matches the input terminal number to which the VCR is connected, then the VCR can be operated using **1** to **8**.
- VCRs made by other manufacturers and not preset can also be operated using the remote control unit if **1** to **8** have learned the functions. See page 82.
- 1 CH +/-Selects the channel on the VCR.
- 2 ► (PLAY) Selects playback.
- 3 ◀◀ (REW) Rewinds the tape and allows picture search.
- 4 SOURCE O Turns the power of the VCR on and off.
- **5 II** (PAUSE/STILL) Pauses playback and displays still pictures.
- 6 ►► (FF) Rapidly advances the tape and allows picture search.
- 7 (REC) Starts recording.
- 8 (STOP) Stops tape transport.



• The color-highlighted buttons on the remote control can learn the control signal from another device's remote control.



DVD/DVR control buttons

When the DVD/DVR is preset by the learning function of the remote control, the remote control unit buttons will function as follows when the **Mode switch** of the remote control unit is set to DVD/DVR.

- When the input selector button having the same number as the input terminal connected to a DVD player or DVD recorder is pressed, these players can be operated using **1** to **12**.
- DVD players or DVD recorders made by other manufacturers and not preset can also be operated using the remote control unit if **1** to **12** have learned the functions. See page 82.

1 CH +/- (DVD recorder only)

Changes the channel of the tuner built into the DVD recorder.

2 RETURN

When the DVD menu is displayed, restores the immediately previous screen.

3 ► (PLAY)

Selects playback.

4 ◄< (SCAN)/I◄< (CHAPTER SEARCH) Continue pressing to go backward. Pressing quickly once takes you to the start of the chapter currently playing. Each time you press it, you move back to the start of the previous chapter.

5 SOURCE O Turns the power of the DVD p

Turns the power of the DVD player or DVD recorder on and off.

- 6 II (PAUSE/STILL) Pauses playback and displays still pictures.
- 7 DVD MENU (DVD, DVD recorder) Displays the DVD menu.
- 8 ENTER, ↑/+/+/ (DVD, DVD recorder) ENTER: Activates the selected function.
 ↑/+/+/+: Selects items on the DVD MENU screen.

---- --- ---- - . .

- 9 DVD TOP MENU (DVD, DVD recorder) Displays the DVD top menu.
- 10 ►► (SCAN)/►► (CHAPTER SEARCH) Continue pressing for fast forward. Pressing quickly once takes you to the start of the next chapter. Each time you press it, you move ahead to the start of the next chapter.
- € (REC) (DVD recorder only) Starts recording.

12 ■ (STOP)

Stops playback. With some DVD players or DVD recorders, press twice to open the disc tray.

11, 12 STOP REC (DVD recorder only) Press and hold ●, and then press ■ to stop recording.

This operation applies to only Pioneer DVD recorders.

🖉 NOTE

- A DVD player and a DVD recorder cannot be selected at the same time.
- The color-highlighted buttons on the remote control can learn the control signal from another device's remote control.
- For some LD players, the buttons on the remote control unit function as above. For the supported LD players, see the DVD/DVR column on page 83.

Troubleshooting

Problem	Possible Solution
• No power.	 Make sure the Plasma Display and the Media Receiver are connected correctly. (See page 19.) Is the power cord disconnected? (See page 23.) Has the main power been turned on? (See page 25.) Check if you pressed TV to on the remote control unit. (See page 25.) If the indicator on the system lights up red, press TV to.
Blue and red rectangles appear on the screen alternately.	Check if the system cable has become disconnected or loose? (See page 19.)
• The system cannot be operated.	• External influences such as lightning, static electricity, etc., may cause improper operation. In this case, operate the system after first turning the power of the Plasma Display and the Media Receiver, or unplugging the power cord and re-plugging it in after 1 or 2 minutes.
Remote control unit does not operate.	 Is the Mode switch set correctly? Slide it to the TV position. (See page 16.) Are batteries inserted with connect polarity (+, -)? (See page 22.) Are batteries worn out? (Replace with new batteries.) (See page 22.) Operate the remote control unit while pointing it toward the remote control sensor on the Plasma Display. (See page 22.) Are you using it under strong or fluorescent lighting? Is a fluorescent light illuminating the remote control sensor?
No image and audio is presented.	 Check if the input source for video or PC has been unintentionally selected although you want to watch a TV channel. (See page 26.) Check if you have activated the Parental Control function. (See page 39.) Enter a password to temporarily cancel the Parental Control function. (See page 43.) Check the cable connection with the antenna. (See page 20.) Check the cable connection with the other equipment. (See pages 68 to 78.)
• No picture.	 Is connection to other components correct? (See pages 68 to 76.) Is a non-compatible PC signal being input? (See page 76.) Is picture adjustment correct? (See page 59.)
• Audio is output but no image is presented.	• Check if you have selected "Picture Off" for Energy Save. With this option selected, the screen is deactivated; only audio is output. To restore the screen display, press any button other than VOL +/– and MUTING . (See page 63.)
Images are presented but no audio is output.	 Check if you have selected the minimum volume. (See page 27.) Check if you have muted sound. (See page 27.) When using a video or PC input source, check that the audio terminals are also connected. (See pages 68 to 72 and 75.)
Sound is reversed between the right and left.Sound is output from only a single speaker.	 Check if the speaker cable connections have been reversed between the right and left or if the speaker cable from either speaker has been disconnected. (See pages 13 and 19.) Has the balance been correctly adjusted? (See page 62.)
• Picture is cut off.	Is the image position correct? (See page 64.)Has the correct screen size been selected? (See page 66.)
Strange color, light color, dark or color misalignment.	Adjust the picture tone. (See page 59.)Is the room too bright? The picture may look dark in a room that is too bright.
• Power is suddenly turned off.	 Is the sleep timer set? (See page 58.) Check the power control setting. (See page 63.) The system's internal temperature has increased. Clean the vents, or remove any blocking objects. (See page 17.)
Panel sounds / noises	• Panel generated sounds, examples: Fan motor noise, Electrical Circuit Humming / Glass Panel buzzing are normal operation of a phosphor-based matrix display.

If the following error codes appear on the screen, check the corresponding items in the table.

Code	Message	Check
SD04	Powering off. Internal temperature too high. Check temperature around PDP.	Check if the ambient temperature of the Plasma Display is high.
SD05	Powering off. Internal protection circuits activated, Is there a short in speaker cable?	Check the speaker cable connections between the Plasma Display and the speakers.
SD11	Powering off. Internal temperature too high. Check temperature around media receiver.	Check if the ambient temperature of the Media Receiver is high.

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Specifications

Item	50"Plasma Display, Model: PRO-506PU	43" Plasma Display, Model: PRO-436PU
Number of Pixels	1280 × 768 pixels	1024 × 768 pixels
Audio Amplifier	13 W + 13 W (1 kHz, 10 %, 8 Ω)	13 W + 13 W (1 kHz, 10 %, 8 Ω)
Surround System	SRS/FOCUS/TruBass	SRS/FOCUS/TruBass
Power Requirement	120 V AC, 60 Hz, 355 W (0.2 W Standby)	120 V AC, 60 Hz, 296 W (0.2 W Standby)
Dimensions	1224 (W) × 717 (H) × 92 (D) mm (48 3/16 (W) × 28 1/4 (H) × 3 5/8 (D) inches)	1076 (W) × 632 (H) × 92 (D) mm (42 3/8 (W) × 24 29/32 (H) × 3 5/8 (D) inches)
Weight	31.8 kg (70.1 lbs.)	25.8 kg (56.9 lbs.)

Item			Media Receiver, Model: PRO-R06U
Reception System (Digital)			ATSC Digital TV system
	Circuit type		8VSB/64QAM/256QAM/QPSK demodulation
	Tuner	VHF/UHF	VHF Ch. 2–13 UHF Ch. 14–69
		CATV	Ch. 2–135
	Audio format		Dolby Digital
Reception System (Analog)			American TV standard NTSC system
	Circuit type		Video signal detection PLL full synchronous detection, PLL digital synthesizer system
	Tuner	VHF/UHF	VHF Ch. 2–13 UHF Ch. 14–69
		CATV	ANT/CABLE A IN Ch. 1–135 ANT B IN Ch. 1–125
	Audio multiplex		BTSC system
Terminals	Rear	ANT/CABLE A IN	75 Ω UNBAL, F Type for DTV/VHF/UHF/CATV in
		ANT B IN	75 Ω UNBAL, F Type for VHF/UHF/CATV in Loop out
		i.LINK (TS)	S400 (2)
		INPUT 1	COMPONENT VIDEO in, S-VIDEO in, VIDEO in, AUDIO in, HDMI in*
		INPUT 2	S-VIDEO in, VIDEO in, AUDIO in
		INPUT 3	COMPONENT VIDEO in, AUDIO in, HDMI in*
		MONITOR OUT	VIDEO out, AUDIO out
		Digital Audio Output	Optical (1)
		G-LINK	1
		CONTROL IN	1
		CONTROL OUT	1
		SUB WOOFER OUTPUT	Variable
		Cable CARD	Point of Deployment
	Front	INPUT 4	COMPONENT VIDEO in, S-VIDEO in, VIDEO in, AUDIO in (Audio input is shared with PC INPUT.)
		PC	Analog RGB in, AUDIO in
On-screen display languages			English/French/Spanish
Power Requirement			120 V AC, 60 Hz, 37 W (26 W Standby)
Dimensions			420 (W) × 90 (H) × 299 (D) mm (16 9/16 (W) × 3 9/16 (H) × 11 13/16 (D) inches)
Weight			4.5 kg (9.9 lbs.)

This conforms to HDMI1.1 and HDCP1.1.
 HDMI (High Definition Multimedia Interface) is a digital interface that handles both video and audio using a single cable.
 HDCP (High-bandwidth Digital Content Protection) is a technology used to protect copyrighted digital contents that use the Digital Visual Interface (DVI).

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